US1 780612

31 88.6 6 1 31 88.6 6 1 31 88.6 6 1 31 88.6 6 1	31 88.6 6 1 31 88.5 6 1	31 88.6 31 88.6 31 88.6 5 6 6	38 31 88.6 6 2 US 39 31 88.6 6 2 US 40 31 88.6 6 2 US 41 31 88.6 6 2 US	31 88.6 6 2 31 89.6 6 2 31 88.6 6 2	32 88.6 6.2		RESULT 1	US-08-169-743-2 : Sequence 2, Application US/081697- : Patont No. 5547936 : GENERAL INFORMATION:	APPLICANT: RUOSLAHTI, EKKKI; APPLICANT: PIERSCHBACHER, MICH APPLICANT: GEHLSEN, KURT R. TITLE OF INVENTION: INHIBITION: TITLE OF INVENTION: SYNTHETIC NUMBER OF SEQUENCES: CORRESPONDENCE ADDRESS: ADDRESSE: PRETTY, SCHROEDE	EET: 444 SOUTH Y: LOS ANGELES TE: CALIFORNIA NTRY: UNITED S	1 DABI	MEDIUM TYPE: Floppy disk COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS	CURRENT APPLICATION DATE : APPLICATION NUMBER: US/08/10	FILING DATE:	PRIOR APPLICATION DATA:	FILING DATE: 08-0CT-1991	ATTORNEY/AGENT INFORMATION:	REGISTRATION NUMBER: 32,547	TELECOMUNICATION INFORMATION:	: TELEPHONE: 619-535-9601 : TELEFAX: 619-535-8949	: :NFORMATION FOR SEQ ID NO: 2:	4 =	TYPE: TOPOLO	US-08-169-743-2	Obsery Match 100.0%; Sest Local Similarity 100.0%; Matches 6; Conservative 0;	©y 1 GRODEP 6
end.		thre 16 Seconds ignments) ion cell updates/sec				37639			* * * * * * * * * * * * * * * * * * *	chance to have a result being printed, stribution.		Description	:11:	Sequence 1, Appli Sequence 74, Appl	Sequence 176, App		sequence i. Appli Sequence 2. Appli	Sequence 45, Appl Sequence 45, Appl	Sequence 6, Appli	Sequence 11, Appl Sequence 3, Appli	Sequence 13, Appi		÷ ;;	Sequence 7, Appl: Sequence 6, Appli	स्य स्थ जन्म	Sequence 59, Appl Sequence 3, Appli Sequence 4, Appli
GenCore version 5.1.6 Copyright (c) 1993 - 2005 Compagen (otein search, using sw model	September 16, 2003, 18:19:03 ; Search time 16 S. (Without alignments) 15:867 Million Cell (US-09-780-612A-1 35 1 GRONT 6	ылэсимба Gapop 16.0 , Зарехт 0.5	328717 seqs, 42310858 residues	hits satisfying chosen parameters:	esqth: 0 cogth: 6	Minimum Match 0% Maximum Match 100% Listing first 45 summaries	Issued_Patents_AA:* 1: /cgn2_6/ptodata/1/laa/5A_COMB.pep:* 2: /cgn2_6/ptodata/1/laa/5B_COMB.pep:* 3: /cgn2_6/ptodata/1/laa/5A_COMB.pep:* 4: /cgn2_6/ptodata/1/laa/PCTUS_COMB.pep:* 5: /cgn2_6/ptodata/1/laa/PCTUS_COMB.pep:* 6: /cgn2_6/ptodata/1/laa/PCTUS_COMB.pep:*	No. is the number of results predicted by chance to have greater than or equal to the score of the result being piderlived by analysis of the total score distribution.	SUMMARIES	Length DB	9 9 1 1 1	9 P	2 2	च	ਭਾਵਾ ਹਵਾ	ტ ტ 2 ლ	φ.σ.	9	99		999	9	88.6 6 1 US-08-264-759-3 88.6 6 1 US-08-445-745-49 88.6 6 1 US-08-608-607-1	യയ
	OM protein - pro	Run on:	Title: Perfect score: Sequence:	Scoring table:	Searched:	Total number of	Minimum DB seq l Maximum DB seq i	Post-processing:	Database :	Pred. No. is score greated and is derive		- 1	333	3 m	335) M C		35	31	31	5 31 31	33	31	31	22 23 24 31 25	31

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Sequence	Sequence	Sequence	Sequence	Seguence	Sequence	Sequence	Sednerce	Sequence	Sequence	Sequence	Sequence	Segmence	Sequence	Sednence	Sequence	Seguence	Segrence	
US-08-482-105-16	US-08-303-052A-4	US-08-421-696A-4	US-07-803-623H-12	US-08-482-107B-3	3S-68-421-697A-4	US-08-421-698A-4	US-08-387-749-11	CS-08-520-535-15	US-08-280-646-2	US-08-445-193-2	US-06-432-698-2	US-08-635-572-1	US-08-806-084-12	US-08-421-695A 4	US-08-473-025-3	US-08-447-810-2	US-08-585-281-7	
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28	23	30	31	3.5	33	34	35	98	37	38	36	0.4	77	4.2	F 3	147 147	5.4	

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HESCLT 1 US-08-169-743-2 Sequence 2, Application US/06169743 Fatent No. 5547036 SENERAL INFORMATION: APPLICANT: RUOSLAHTI, EKKI : APPLICANT: PIERSCHBACHER, MICHAEL D. APPLICANT: FROM KINT R.	GEHCSEN, NVENTION: SECOTORDS: SECOTORDS: SECOTORDS: 444 SOUTH A44 SOUTH A52 ANGELES CALIFORNIA UNITED ST 07 ILLE EADABLE FOR EADABLE FOR CATALOR FOR STATE: 1 PATE: 1	

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PRIOR APPLICATION DATA

PRIOR APPLICATION NUMBER: 07/714.131
FILING DATE: JONE 10, 199;
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/536,428
FILING DATE: JUNE 11, 1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/117,991
FILING DATE: SEPTEMBER 8, 1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/117,991
FILING APPLICATION DATA:
APPLICATION NUMBER: 08/123,935
FILING DATE: SEPTEMBER 17, 1993
                                                                                                                                                                                  US/08/234,997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/199,507
FILLING DATE: FEBRUARY 22, 1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             .;
0
                                                                                                     COMPUTER: IBM pc compatible OPERATING SYSTEM: MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          33,215
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         REFERENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEPHONE: (303) 850-9900
TELEFAX: (303) 850-9401
INFORMATION FOR SEQ ID NO: 1:
                                                                                                                                         WordPerfect 5.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE CHARACTERISTICS:
LENGTH: 6 amino acids
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Best Local Similarity 100.0
Free 6: Conservative
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                                                                                                                                                             CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME: Barry J. Swans
REGISTRATION NUMBER:
                                                                                                                                                                                                       FILLING DATE:
CLASSIFICATION: 435
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    Colorado
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                                                                                                                                              SOFTWARE:
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US-08-747-137-74
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                                                                                                                                                             APPLICANT: DIZEREGA .. GERE S
APPLICANT: RODGERS .. KATHLEEN E
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR PREVENTING
TITLE OF INVENTION: ADHESICN FORMATION
UNMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 1, Application US/08234997
Patent No. 5683867
GENERAL INFORMATION:
APPLICANT: SUMBCHA JAYASENA
APPLICANT: LARRY GOLD
APPLICANT: DREW SMITH
APPLICANT: DREW SMITH
TILE OF INVENTION: SYSTEMATIC EVOLUTION OF LIGANDS BY
TITLE OF INVENTION: EXPONENTIAL ENRICHMENT: BLENDED
TITLE OF INVENTION: SELEX
NUMBER OF SEQUENCES:
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 6:
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/178,482
FILING DATE: 06.JAN-1994
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/789,231
FILING DAIE: 07 NOV-1991
ATIORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                  STREET: 201 NORTH FIGUERCA STREET, FIFTH FLOOK
CITY: LOS ANGELES
STATE: CALIPORNIA
COUNTRY: USA
ZIP: 90012-2628
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Beaton & Swanson, P.C.
4582 South Ulster Street Parkway, #403
                                                                                                                                                                                                                                                                                     ROBBINS, DALGARN, BERLINER & CARSON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%: Score 35: DR L; : 100.0%: Pred. No. 2.5e+05;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME: SPITALS. JOHN P
REGISTRATION NUMBER: 25,215
REFERENCE/DOCKET NUMBER: 1920-314
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 977-1003
INFORMATION FOR SEQ. ID NO: 7:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-FOS/MS-DOS
                                                                                                 Sequence 7, Application US/08178482
Patent No. 5629294
GENERAL INFORMATION:
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amino acid
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Matches 6; Conservative
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1 GRGDIP
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SIREET: 458
CITY: Denve
                                                                                                                                                                                                                                                                                     ADDRESSEE:
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                                                                                US-08-178-482-7
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Patent No. 5945033
SEMERAL INFORMATION:
SEMERAL INFORMATION:
SEMERAL INFORMATION:
TITLE OF INVENTION: NON-CROSSILINKED PROTEIN PARTICLES FOR TITLE OF INVENTION: THERAPEUTIC AND DIAGNOSTIC USE NUMBER OF SEQUENCES: 184
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, 8th Floor CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 6;
ZIP: 80237
CCMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch, 360 Kb storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Patentin Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%; Score 35; DB 1; 100.0%; Pred. No. 2.5c+05;
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Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 1. Application US/C895659
Patent No. 6083696
Settent No. 6083696
SERREAL INFORMATION:
APPLICANT: GREG BIESECKER
APPLICANT: BREW SMITH
APPLICANT: DREW SMITH
APPLICANT: CARY P. KIRSCHENHEUTER
TITLE OF INVENTION: SYSTEMATIC FVOLUTION OF LIGANING
TITLE OF INVENTION: SELEX
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Diskette, 3.50 inch, 1.44 MG storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADDRESSEE: Swanson & Bratschun, L.L.C.
STREET: 8400 E. Prentice Avenue, Suite 100
CITY: Englewood
                                                                                                                016197-00084008
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER: IBM pc compatible
CPERATING SYSTEM: MS-DOS
SCHTWARE: WordPerfect, 6.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/956,699
FILING DATE: OCTOBER 23, 1997
      US 07/641,720
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE: SEPTEMBER 6, 1993
PRIOR APPLICATION DATA:
APPLICATION UNBER: 08,23,935
FILING DATE: SEPTEMBER 17, 1993
PRIOR APPLICATION NATA:
APPLICATION NUMBER: 06,199,507
FILING DATE: FEBRUARY 22, 1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CLASSIFICATION: 435
PRIOR APPLICATION DATA:
PAPLICATION NUMBER: 08/234,997
FILING DATE: APRIL 28, 1994
FRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/714,131
FILING DATE: JUNE 10, 1991
PRIOR APPLICATION DATA:
                                                                           REFERENCE/DOCKET NUMBER: 36.423
REFERENCE/DOCKET NUMBER: 01619
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0200
INFORMATION FOR SEQ 1D NO: 176:
SEQUENCE CHARACIERISTICS:
LENGTH: 6 amino acids
TYPE: amino acid:
SIRANDFDMFCC acid:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: 07/536,428
FILING DATE: UNDE 11, 1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/117,991
                                                                                                                                                                                                                                                                SS: not relevant not relevant
                         FILING DATE: 15-JAN-1991
ATTORNEY/AGENT INFORMATION:
NAME: Apple, Randclph T.
REGISTRATION NUMBER: 36,
                                                                                                                                                                                                                                                                                                                                                                                                6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM: MEDIUM TYPE: Diskette
      APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                     query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STATE: Colorado
                                                                                                                                                                                                                                                                                                                                                                                                                                            1 GRGDIP 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 GRCDIP 6
                                                                                                                                                                                                                                           TYPE: amino a SIRANDEDNESS:
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TITLE OF INVENTION: NON-CROSSLINKED PROTEIN PARTICLES FOR
TITLE OF INVENTION: THERAPEUTIC AND DIAGNOSTIC 9SE
NUMBER OF SRQUENCES: 184
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%; Score 35; DB 2; Leaqth 6: 100.0%; Pred; No. 2.5e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOFTWARE: Patenth Release #1.0, Version #1.30 CURRENT APPLICATION DATA: APPLICATION NUMBER: 08/08/747.137 FILING DATE: 12.NOV-1996 CLASSIFICATION: 424 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, 8th Floor
                                                                                                                                                                                                                                                                                                                                                                     36,429
ER: 016197-0008400S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0: Mismatches
                                                      PRIOR APPLICATION DATA
PRIOR APPLICATION DATA
APPLICATION NUMBER: US C8/212,546
FILING DATE: 14-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US C8/069,831
FILING DATE: 01-UNC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US C7/959,560
FILING DATE: 13-0CT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US C7/641,729
FILING DATE: 15-1AM-1991
ATTORNEY AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: US 08/212.546
FILING DATE: 14-MAR-1994
PRIOR APPLICATION DATE:
APPLICATION NUMBER: US 08/065,831
FILING DATE: 01-JUN-1953
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/959,560
FILING DATE: 13-0CT-1992
PRIOR APPLICATION JATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DCS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-08-747-137-176; Sequence 176, Application US/08747137; Patent No. 5945033
                                                                                                                                                                                                                                                                                                                                                                                                              TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-9200
INFORMATION FOR SEQ ID NO: 74:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SS: not relevant
not relevant
                    FILING DATE: 12-NOV-1996
CLASSIFICATION: 424
                                                                                                                                                                                                                                                                                                                                                NAME: Apple, Randolph T. REGISTRATION NUMBER: 36, REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ouery Match
Best Local Similarity | CU...
6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LENGTH: 6 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ZIP: 94111
COMPUTER READABLE FORM:
MEDIUM TYPE: $loppy of
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CITY: San Francisco
STATE: CA
COUNTRY: USA
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: amino acid
STRANDEDNESS: not
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CA
USA
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US-08-747-137-74
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APPLICANT: American Cyanamid Company
APPLICANT: American Cyanamid Company
APPLICANT: American Cyanamid Company
APPLICANT: American Cyanamid Company
APPLICANT: American
TITLE COFFERENCE: AHP-98202
CURRENT APPLICATION NUMBER: US/09/548,697A
CURRENT FILING DATE: 2000-04-13
PRIOR APPLICATION NUMBER: 60/240,952
PRIOR FILING DATE: 1999-04-14
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OTHER INFORMATION: Description of Artificial Sugmence: No. 655321e OTHER INFORMATION: synthetic construct.
                                                                                                                                                                                                                                                                                                                                              ó
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 1. Application US/09485653
Patent No. 655321
GENERAL INFORMATION:
APPLICANT: Daniel, Thomas O.
APPLICANT: Stein, Elke
TITLE OF INVENTION: Methods for Determining Cell Responses:
TITLE OF INVENTION: Methods for Determining Cell Responses:
TITLE OF INVENTION: METHOD FINE SECONDES:
TITLE OF INVENTION: MURBER: US/09/495,653
SURRENT FILING DATE: 2000-02-14
PRIOR APPLICATION NUMBER: US/09/495,653
PRIOR APPLICATION NUMBER: 6C/055,164
FRIOR APPLICATION NUMBER: 6C/055,164
FRIOR APPLICATION NUMBER: 6C/055,164
STRICK FILING DATE: 1999-08-19
STRICK FILING DATE: 1997-08-19
STRICK FILING DATE: 1997-08-19
SOFTHARE: FASTSEQ for Windows Version 4.6
                                                                                                                                                                                                                                                                                            Length 6;
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tive 0; Mismatches 0;
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                                                                                                                                                                                       IOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ IN NO: 1:
            TELEPHONE: (303) 793-3333
TELEFAX: (303) 793-3433
TELECOMMUNICATION INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 2, Application US/09548697A Patent No. 6586187
                                                                                                                    LENGTH: 6 amino acids
                                                                                                                                                                   STRANDEDNESS: single
                                                                INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQ ID NOS: 9
SOFTWARE: PatentIn version 3.1
                                                                                                                                              TYPE: amino acid
                                                                                                                                                                                                                                                                                          Ouery Match
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                          1 GRGDTP 6
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US-09-485-653-1
                                                                                                                                                                                                                                           05-09-636-477-1
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C180012P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME: Bingham, Douglas A.
REGISTRATION NUMBER: 32,457
REFFRENCE/DOCKET NUMBER: CIE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CITY: Washington
STATE: District of Columbia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-587-3533
INFORMATION FOR SEQ ID NO: 46:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 68,6%;
83,3%;
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ATTORNEY/AGENT INFORMATION:
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Best Local Similarity 83.3v
Best Local Similarity 5, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE CHARACTERISTICS:
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy (
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                                                                                                                                                                                                                                      COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CORRESPONDENCE ADDRESS:
ADDRESSEE: Sughrue,
                                                                                                                                        STREET: 11230 Sorr
CITY: San Diego
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: AMINO ACID STRANDEDNESS: Sin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 GRGDTP 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-07-720-222-46
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                                                                                                                                                                                                 COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STREET:
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100.0%; Pred. No. 2.5e+65;
tive 0: Mismatches 0; Indels
                                                                                                                                                            Length 8;
                                                                                                                                                                                                 indels
                                                                                                                                                                                                                                                                                                                                                                  Sequence 45. Application PC/TUSGR05640
GENERAL INFORMATION:
APPLICANT: University of Connecticut.
ITLE OF INVENTION: Contraceptive Vaccing
NUMBER OF SEGUENCES: 46
CORRESPONDENCE ADDRESS:
ADDRESSE: Hamilton: Brook, Smith & Reynolds, B.C.
STREET: Two Militia Drive.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       UPERATIND SISIEMT TO LOUGHEST-LOUGHEST OF THE STREET OF THE SOFTWARE: PETENTIN RELEASE #1.0, VERSION #1.25 CURRENT APPLICATION DATA:

APPLICATION NUMBER: PCT/US93/05640
FILING DATE: 19930610
CLASSIFICATION: PROTICATION:
PRICR APPLICATION NUMBER: 07/897,883
FILING DATE: Unne 12, 1942
ATTORNEY/AGENT INVORMATION:
NAME: BROOK, Devid E. REGISTATION NUMBER: 22,592
REFERENCE/DOCKET NUMBER: 0.0799-01AA
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION 1861-6540
INFORMATION POR SEQ 10 NO: 45:
SEQUENCE CHARACTERISTICS:
LENGTH: 6 Amino acids
                                                                                                                                                        100.0%; Score 35; Db 4; I
100.0%; Prod. No. 2.5e-05;
tive 0; Xismarches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 46, Application US/07720222
Patent No. 5190873
GENERAL INFORMATION:
                                                                                                 : OTHER INFORMATION: synthetic
US-09-548-697A-2
                                                                                                                                                                                               6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TOPOLOGY: linear
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STREET: TWC M1...
                                                                                                                                                        Query Match
Best Local Similarity
Matches 6: Conserv
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| GRGDTP 6
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1 GRGDTP 6
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                                                             ORGANISM: unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   USA
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PCT-US93-05640-45
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STATE: MA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COUNTRY:
SEQ ID NO 2
LENGTH: 6
                                            TYPE: PRT
                                                                                   FEATURE:
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Gaps
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;
APPLICANT: Bourdon, Mario
APPLICANT: Youderian, Phil
TITLE OF INVENTION: TYBRID PROTEINS CONTAINING EINDING SITES
NUMBER OF SEQUENCES: 58
CORRESPONDENCE ADDRESS:
ADDRESSEE: Bingham of the containing of the cont
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
APPLICANT: KOJIMA, Masayoshi
APPLICANT: KOMAZAMA, Hiroyuki
TITLE OF INVENTION: CM-CHITIN DERIVATIVES AND USE THEREOF
NUMBER OF SEQUENCES: 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 31; DB 1; Legath 5; Pred. No. 2.5e+35; 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SOFTWARE PATENT PC-DOS/MS-DOS
SOFTWARE PATENTIAL RE-EASE #1.0. VOISION #1.25
CURRENT APPLICATION DATA:
PHING DATE: 19910621
CLASSPIEDATION 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
APPLICATION NUMBER:
FILLING DATE:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
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2100 Pennsylvania Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/780,790A
FILING DATE: 19911623
CLASSIFICATION: 530
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Bi Bingham & Pitting
11230 Sorrento Valley Road, Suite 266
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1; Mismatches
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TOPOLOGY:
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US 08-251-027-13
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                                         JS-08-234-979-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
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                                                                                                                                                                                                                           Score 31, 58 1; Length 6; Pred, No. 2.56+05; 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION: METHOD FOR GENERATING AND SCREENING TITLE OF INVENTION: USEFU: PEPTIDES NUMBER OF SEQUENCES: 20 CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARENT APPLICATION DATA.

SOFTWARENT APPLICATION DATA.

APPLICATION NUMBER: 38,767,732,203

FILING DATE: 1-AUG 1992

CLASSIFICATION: 4.5

ATOMNEY/AGENT NEPRATION:
NAME: COPPER: 19ER P.

REGISTRATION NUMBER: 28,005

REFRENCE/DOCKET NUMBER: 28,005

REFRENCE/COPPURINGEN: 28,005

TELEBORMUNICATION: INFORMATION:
TELEBORMUNICATION: 1963-5197

TELEBORM: 262-628-5197
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADDRESSEE: BROWDY AND NEIMARK STREET: 419 SEVENTH STREET; N.W. CITY: WASHINGTON STATE: D.C. COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ZIP: 2004
COMPUTER READABLE FORM:
MEDIUM IYPE: FC pppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DUS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence II, Application US/0793220)
Patent No. 5366862
GENERAL INFORMATION, DUANE L.
APPLICANT: VENTON, DUANE L.
APPLICANT: HOPFINGFR, ANTON J.
APPLICANT: LE BRETON, GUY
TELECOMMUNICATION INFORMATION:
             TELEPHONE: (202)293-7066
TELEFAX: (202)293-7860
TELEX: 6491103
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARROTERISTICS:
LENGTH: 6 amino acids
TYPE: AMINO ACID
                                                                                                                                                                                                                         Query Match
Best Local Similarity 83.3%;
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELER. 202-10
TELER. 24863
INFORMATION FOR SEQ ID NO: 1
SEQUENCE CHARACTERISTICS:
STOUTH: 6 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 83.3
Matches 5, Conservative
                                                                                                                                              TOPOLOGY: linear
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ) MOLECULE TYPE: peptide US-07-932-200-11
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US-07-932-200-11
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APPLICANT: Lider, ofer
APPLICANT: Greenspoon, No. 5519065m.
APPLICANT: Greenspoon, No. 5519065m.
APPLICANT: Hershkoviz, Rami
APPLICANT: Hershkoviz, Rami
TITLE OF INVENTION: A METHOD OF INHIBITION OF CELLULAR AND
TITLE OF INVENTION: MOLECULAR LEVEL BIOLOGICAL INTERACTIONS UTLIZING
TITLE OF INVENTION: NON-PEPTIDIC SURROGATES OF THE ARG-GLY-ASP SEQUENCE
NUMBER OF SEQUENCES: 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                        APPLICANT: Schreiber, Rouda
APPLICANT: Polarek, James
APPLICANT: Polarek, James
APPLICANT: Tamura, Richard
APPLICANT: Happer, John
TITLE OF INVENTION: Compositions that Inhibit: Wound
TITLE OF INVENTION: Contraction and Methods of Using Same
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       83.3%; Pred. No. 2.56·05;
83.3%; Pred. No. 2.56·05;
ative 1; Mismatches 0; Indels
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ADDRESSEE: Kohn & Associates
STREET: 30500 No. 5519005thwestern Highway, Suite 410
CITY: Farmington Hills
STATE: Michigan
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/234,979
FILING DATE: 28-APR-1994
CLASSIFICATION: 514
                                                                                                                                                                                                                                                                        ADDRESSEE: Campbell and Flores
STREET: 4370 La Jolla Village Drive, Suite 700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-1A 9955
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    IBM PC compatible
SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 13, Application US/08251027
Patent No. 5519005
Sequence 3, Application US/08234979
Patent No. 5510328
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEPHONE: (619) 535-9001
IELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 3:
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE CHARACTERISTICS:
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Matches 5, Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MOLECULE TYPE: peptide US-08-234-979-3
                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                    STREET: 4370 La Jo
CITY: San Diego
STAIE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER: IBM PC OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             amino acid
SY: linear
                                                      GENERAL INFORMATION:
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
CORRENT APPLICATION DATA:
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/28/251,627
FLING DATE:
CLASSIFICATION: 514
ATTORNEY/ADGNI INPOMMATION:
NAME: Kohn Keineth I.
FELEPHONE: (810) 539-5650
TELEFAM: (810) 539-5650
TELEFAM: (810) 539-5650
TELENGTH: 6 amino acid
STRANDEDNESS: Single
TOPONIOGY: linear
MOLECULE TYPE: PCEPTION
US-08-251-027-13
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C: Gars

Query Match

88.6%: Score 31: DB 1: Length 6:
Best Local Similarity 83.3%: Pred. No. 2.5e-65:
Matches 5: Conservative 1: Mismatches 0: Indels

Search completed: September 16, 2003, 18:21:21 Job time: 17 secs

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P9-30 beta district Synthetic, profest RGD peptide.
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                                                                             September 16, 2003, 18:17:03; Search Lime 38 Seconds (without alignments) 25:062 Million ceil updates/sec
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                                                                                                                                                                                                                                                                                                                                                                                                             | SIDS: /gcqdata/geneseq/geneseqp.ent; /AA1980.DAT; |
| SIDS: /gcqdata/geneseq/acneseqp.ent] /AA1961.DAT; |
| SIDS: /gcqdata/geneseq/acneseqp.ent] /AA1962.DAT; |
| SIDS: /gcddata/geneseq/geneseqp-ent] /AA1962.DAT; |
| SIDS: /gcgdata/geneseq/geneseqp-ent] /AA1963.DAT; |
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GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compuge: Ltd.
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Maximum Match 100%
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AAW07430
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Perfect score:
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31 88.6 6 13 AAR222969 31 88.6 6 13 AAR222969 31 88.6 6 13 AAR2241 31 88.6 6 13 AAR22428 31 88.6 6 14 AAR32428 31 88.6 6 15 AAR3686 31 88.6 6 15 AAR3696 31 88.6 6 15 AAR	7 73	n m		88 89.6	စ္စ	<u> </u>	AAK25814 AAR24212		Polyethylene glyco Fragment of tenase
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31 88.6 6 14 AAR332287 31 88.6 6 14 AAR332897 31 88.6 6 13 AAR432421 31 88.6 6 15 AAR432421 31 88.6 6 15 AAR7624 31 88.6 6 15 AAR7624 31 88.6 6 15 AAR763801 31 88.6 6 16 AAR76378 31 88.6 6 16 AAR76977 31 88.6 6 16 AAR76977 31 88.6 6 16 AAR76977 32 88.6 6 16 AAR76977 32 88.6 6 16 AAR76977 33 88.6 6 16 AAR76977 34 88.6 6 16 AAR76977 35 88.6 6 16 AAR76977 36 88.6 6 17 AAR76977 37 88.6 6 10 AAR76977 38.8 8 6 6 10 AAR76977 38.8 8 6 6 10 AAR76977 38.8 8 6 6 10 AAR76977 31 88.6 6 10 AAR76977 32 88.6 6 10 AAR76976 33 88.6 6 10 AAR76976 34 88.6 6 10 AAR76976 35 88.6 6 10 AAR76976 36 88.6 6 10 AAR76976 37 AAR36709; 38 88.6 6 10 AAR76976 38 88.6 6 10 AAR76976 38 88.6 6 10 AAR76976 39 88.6 6 10 AAR76976 30 AR769799 30 AAR76979 31 88.6 6 10 AAR76979 32 88.6 6 10 AAR76979 33 88.6 6 10 AAR76979 34 88.6 6 10 AAR76979 35 AAR76979 36 AAR76979 37 AAR76979 38 88 6 6 10 AAR76979 39 AAR76979 30 AAR76979 30 AAR76979 30 AAR76979 30 AAR76979 30 AAR76979 30 AAR76979 31 AAR76979 32 AAR76979 33 AAR76979 34 AAR76979 35 AAR76979 36 AAR76979 37 AAR76979 38 AAR76979 38 AAR76979 38 AAR76979 39 AAR7677 30 AAR76979 31 AAR76979 32 AAR76979 33 AAR76979 34 AAR76979 35 AAR76979 36 AAR76979 37 AAR767 38 AAR76979 38 AAR76979 38 AAR76979 38 AAR76979 38 AAR76979 38 AAR76979 39 AAR767 30 AAR76979 30 AAR767 31 AAR76	. ~ .	: (ħ)		98.6	· c.		AAR35465		Propone-amide deri
### 88.6 6 14 AAR#37629 ### 88.6 6 14 AAR#37629 ### 88.6 6 15 AAR#37634 ### 88.6 6 15 AAR#37634 ### 88.6 6 15 AAR#37634 ### 88.6 6 15 AAR#37636 ### 88.6 6 16 AAR#376 ###	m m	m in		9.00	တတ	4 4	AAR32387 AAR32421		Fibrinogen fragmen GRSDSP synthetic p
31 88.6 6 14 AAR437834 31 88.6 6 15 AAR437834 31 88.6 6 15 AAR437834 31 88.6 6 15 AAR437836 31 88.6 6 16 AAR797839 31 88.6 6 16 AAR797839 31 88.6 6 16 AAR797839 32 88.6 6 16 AAR797839 33 88.6 6 16 AAR797839 32 88.6 6 16 AAR797839 33 88.6 6 16 AAR797839 34 88.6 6 16 AAR797839 35 88.6 6 17 AAR797839 36 88.6 6 17 AAR79787 37 88.6 6 18 AAR797839 38 88.6 6 18 AAR79789 39 88.6 6 18 AAR798789 30 88.6 6 18 AAR798789 31 88.6 6 18 AAR798789 32 88.6 6 18 AAR798789 33 88.6 6 18 AAR798789 34 88.6 6 18 AAR798789 35 88.6 6 18 AAR798789 36 AAR387899 37 AAR38789 38 88 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	n ~	י פי		989	s va		AAR37029		Peptide for isolat
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Prevention of adhesion formation, partic. post-surgically -	žž:	WPI; 199	۲-	7381/2	. 0				
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Gaps

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DB 15; Length 6;
 100.0%; Score 35:
Query Match
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Pred. No. 9.3e+05;
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   180.001
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83US-0554821.
85US-074981.
88US-0166530.
88US-0242713.
91US-0660526.
91CS-067536.
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                       6; Conservative
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Best Local Similarity
Trhas 6; Conserve
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21-JAN-1997
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                       Marches
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                                                                                                                                                                                                                                                                                                                                           Gabs
                                                                                                                                        preventing adhesion formation, partic. in the peritoneum following surgery, but also for e.g. cardiovascular, orthopodic, thoracic, ophthalmic, CNS and other uses. In addm., the peptide holibits platelet aggregation and does not induce inflammation or trauma at the site of administration. (Updated on 25-MAR-2003 to correct PN field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PH-20; PH-30; contraceptive; fertilisation; sperm surface protein;
administering a RSE-contg. peptide for a time satisment to permit
                                                                                    The sequence is that of an KGD-conty, peptide which is used in a method for prevention of adhesion formation for a time sufficient to permit tissue repair. The method is used for minimising or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 7 describes the use of PH-30 beta disintegrin peptides as inhibitors of sperm fusion to egg plasma membrane. Modified peptides AAR47382-83 and control peptides (AAR47384-85)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Contraceptive vaccine for reducing sperm-esg iusion - comprises peptide from sperm surface protein which stimulates antibody
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                                                                                                                                                                                                                                                                                                  100.0%; Score 35; DB 14; Length 6:
100.0%; Pred. No. 9.4c+05;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAR47384 standard; Protein; 6 AA.
                                                     Example: Page 18; 22pp: English.
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(first entry)
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Best Local Similarity 100.
Matches 6: Conservative
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                                                                                                                                                                                                                                                                                                                                                                                           6 AA;
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                      tissue repair
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22-JUN-1994
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RESULT 2 AAR47384

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                                                                                                                                                                                                                                                                                                     Dumour invasion: extracellular matrix; ECM: metastasis; RSL sequence; cancer; inhibition; control.
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using applide contg. the RUD sequence, partin. for preventing lumour
medastasis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
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                                                                                                                                                                                                                                      Synthetic, preferred tumour invasion-inhibitory peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 35; DB 17;
Pred. No. 9.3e+05;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Pierschbacher MD, Ruoslahti El
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (LJOL-) LA JOLLA CANCER RES FOUND.
AAW07430 standard; peptide: 5 AA
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illarity 100.0%; P
Conservative 0;
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AAR94571:

AAR9457.1

antibody

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This invention describes a novel mothod for the use and preparation of cell activating compositions which involves preparing a cell activating composition subject to complete the describing (a) homogenial parameters (b) the both neutral or higher pit to produce a nomogenate: (b) removing particulates from the homogenate; (c) optionally incubating the resulting homogenate, with particulates removed, with a protease and (d) tractionating the homogenate and selecting fractions that exhibit cell activation activity. The methods can be used for improving treatment outcome or reducing risk of treatment of e.g. cardiovascular disease, inflammatory disease, treumed, autonomente diseases, arthritis, organ rejection, diabetes and diabetic complications, stroke, ischemia. Alzheimer's disease, wocardial infarction, haemorrhagic shock, diabetic relimpathy, diabetes, venous insufficiency, unscable augina or trauma. They can be used in the vererinary treatment of a non-human subject. Protease inhibitors can be used to lower well activation resulting from those diseases and deficiencies. The describe of an elevated level of hydrogen peroxide in plasma or whole blood and in the presence of subsect of hydrogen peroxide in inflammatory condition. An elevated level of superoxide diseases (SCC) indicates levels upper province the second or superoxide can be used to detect an inflammatory condition. An elevated level of superoxide diseases (SCC) indicates levels upper the presence of superoxide diseases (SCC) indicates levels upper the presence of superoxide diseases).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 regulation, e.g. indicative of the obset of an acute cardiovascular disorders, such as disease cuset or ischemic complications. An elevated level of hydrogen peroxide in plasma or whole blood and a low level in the presence of SOD is indicative of a chronic or immuse compromised condition e.g. hyperfections on sepsis. AAV$6201-Y$6334 represent peptides used in the method of the invention.
                                                                                                                                                                                                                                                                                                                                                 Use of cell activating compositions in developing products for diagnosis and treatment of e.g. cardlovoscular, inflammatory, autofimmume or Alzheimer's disease, traumu, arthritis, organ rejection, diabetes, stroke or ischemia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Non-crosslinked protein particle: diagnostic; therapy; monodisperse; albumin; haemoglobin; nanometer; micrometer; clearance.
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100.0%; Pred. No. 9.8e+05;
tive 0; Mismatches 0;
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                                                                                                                                                                                                                                                    Stoughton RB, Schmid-Schonbein GW,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Example 9; Page 184; 184pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAY31127 standard; peptide; 6 AA.
                                                                                                                                            (CELL-) CELL ACTIVATION INC. (REGC ) UNIV CALIFORNIA. (SCRT ) SCRIPPS RES INST.
                                                                                               9803-0038694.
                                               99WO-0SC5247
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
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                                                                                                                                                                                                                                                                                               WPI: 1999-580234/49.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 GRGDIP
                                               11-MAR-1999:
                                                                                                  11-MAR-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     21-OCT-1999
16-SEP-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Synthet; c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RGD peptides (AAR94570 and AAR94571), inhibitors of cell attachment to type I collagen, inhibited attachment of chicken fibroblasts to cytotactin (see also AAR94547-48) by 73% and 70% respectively. Inhibition was total when the peptides were used together with 5022, a function-blocking monoclonal antibody against the beta-i interpiations suggests that there are 2 integran binding sites on cytotactin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              S; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          stimulating neuronal cell attachment, neurite out-growth and cell
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Cytotactin polypeptide(s), derivs, and antibodies - capable of
                                                                                                                                                                                                                                               Cytotactin; neuron; neurite; cell attachment; ceil elongation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Longth 6;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Neutrophil-activating pancreatic derived peptide 114.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Score 35; 56:17;
100.0%; Pred. No. 9.3e-05;
tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Prieto AL
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAY50314 standard; Peptide: 5 AA.
                                               A.A
                                             AAR94571 standard; Peptide; 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           9475-0308359.
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                                                                                                                                               (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SCRI ) SCRIPPS RES INST
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              .6-SEP-1994;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           14-SEP-1995;
                                                                                                                                                                                                                                                                                                                                                                         WO9608513-A1
                                                                                                                                            21-JUN-1996
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                                                                                                                                                                                               RGD peptido
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Query Match

Matches

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RESULT 5 AAY50314

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Gaps

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96US-C747137
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                                                             WPT: 1999-508153/42.
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ches 6; Conserv
                                                                                                                                                                                                                                                                                                                                              1 GRGDIP 6
| | | | | | | | |
| GRGDIP 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    cell adhesion; ce
fungal infection.
                                                                                                                                                                                                                                                                                  6 AA:
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 12-NOV 1996;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                            AAW84459;
                                                                                                                                                                                                                                                                                     Sequence
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                                        Yen RCK;
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                                                                                                                                                                                                                             This invention describes a novel aqueous suspension of Conodisperse particles on non-crosslinked, non-denatured albumin (56-500 ur) which is stable against dissolving upon dilution with an alcohol-free aqueous medium. The method involves (a) forming an aqueous solution containing albumin and hemoglobin and (b) treating the aqueous solution with an alcohol to cause the solution to become turbid. The particles are useful as agents for in vivo administration, either of their own administration or as a vehicle for other therapoutic or diagnossic agents. The method permits the formation of albumin and hemoglobin particles in the nanometer and micrometer size range, in a form closer to their matural form than the forms of the prior art. The particles therefore constitute amore closely controlled agent for in vivo administration, with greater asse of clearance from the body after their period of usefulness.

ANY30952-Y31135 represent peptides used in the method of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                  8085
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Non-crosslinked protein particle; diagnostic, therapy, monodispersorabumin, haemoglobin; nanometer; micrometer; clearance.
                                                                                                                                                                                        Non-crosslinked protein particles for therapeutic and diagnostic
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                                                                                                                                                                                                                                                                                                                                                                                                             Length 6:
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                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 35; DB 20; 100.0%; Pred. No. 9.3e+05;
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                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Mismatches
                                                                                                                                                                                                            Example 22; Column 123-724; 65pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAX31025 standard; peptide: 6 AA
                                                             940S-0212546,
910S-0641729,
920S-0959569,
930S-0069831,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            94US-0212546.
91US-0641720.
92US-0959560.
93US-0069831.
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                                         9508-0747137
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                                                                                                                                                                                                                                                                                                                                                                                                                     Similarity 100.
6, Conservative
                                                                                                                          (HEMO-) HEMOSPHERE INC.
                                                                                                                                                                  WPI; 1999-508153/42.
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                                                                                                                                                                                                                                                                                                                                                                                        6 AA;
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13-OCT-1992;
01-JUN-1993;
                                                                      15-JAN-1991;
13-OCT-1992;
61-JUN-1993;
                                                                                                     12-NOV-1996;
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                                        12-NOV-1996;
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US5945033-A
                    31-AUG-1999
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Best Local S
Matches 63
                                                                                                                                                                                                                                                                                                                                                                                         Sequence
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This invention describes a novel aqueous suspension of renedispense particles on non-crosslinked, non-densiured albumin (56-500 nm) which is stable against dissolving upon dilution with an alcohol-tree aqueous redium. The method lavolves (a) forming an aqueous solution containing albumin and hemoglobic and (b) treating the aqueous solution with an alcohol to cause the solution to becerve turbid. The particles are useful as agents for in vivo administration, either of their own administration or as a vehicle for other therapeutic of diamostic agents. The method permits the formation of albumin and hemoglobic particles in the canometer and micrometer size rango, is a form closer to their netural form than the forms of the prior art. The particles therefore constitute a more closely controlled agent for in vivo administration, with greater case of clearance from the body after their period of usefulness.

ANY3052-Y31135 represent peptides used in the method of the invention.
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                                                                                                                                                                                                                                                       Non-crosslinked protein particles for therapeutic and diagnostic use
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Method for treating mammal infected by pathogenic ricroorganism comprises administering to mammal composition comprising inhibitory compound which inhibits adherence to or invasion of a ceil by
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RGD peptide that stimulates cell invusion by S. pyogenes 90 226
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Streptococcus pyogenes 90-226; pathogen; inhibition:
cell adhesion; cell invasion; treatment; bucterial infection;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 6:
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100.0%; Pred. No. 9.3e-05;
ive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                              Example 22; Column 81-82; 65pp; English.
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(HEMC-) HEMOSPHERE INC
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Best Loca
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The prosent invention relates to amido-carboxying acid derivatives. The amido-carboxying acid derivatives may be used for treating cancer, angiogenesis, neovascularisation, macular degeneration, glaucoma, blindness, rheumatoid arthritis, restenosis, smooth cell proliferation and migration, vascular endothelia; cell proliferation and migration, viral infection (characterised by bone resorption of mineralised tissues), osteoporosis, hypercalcandia of maliquancy, osteoporia disconne metastasis, periodontal disease, hyperparathyroidism, periarticular erosions in rheumatoid arthritis, sissues, immoniblisation induced osteopenia or glucocorticoid treatment, or diseases characterised by some resorption of mineralised tissues. The present sequence is a peptide,
                                                                                                                                                                                                                                                                                                                                                                                                                                       antiarthritis; ophinalmological; osteopathis; amido-carboxylic acid derivative; cancer; anaiogenesis; neovascularisation; macular dependention; allarchas; blindness rhematoid arthritis; restenosis; viral infection; hone resorption; osteoporosis; osteopenia; periodontal disease; hyperparathyroidism; Paget's disease; integrin virromectin receptor; alpha_wheta; mecanoma.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New amido-carboxylic acid derivatives are integrin inhibitors used i
treating e.g. cancer, restenosis, osteoporosis, viral infection and
bone disease
                                                                                                                                                                                                                                                                                                                                                                                                                               Antiviral: antiinflammatory: cytostatic: vasotropic: antirheumatic:
                       The present sequence represents a RGD peptide that is able to stimulate cell invasion by Streptococcus progenes 90-226. The peptides were used in the course of the invention. The specification describes the treatment of a mammai infected by a pathogenic microorganism which comprises administering an inhibitory compound to inhibit adherence to or invasion of cells by the pathogen. The method is used in the treatment of bacterial or fungal infection:
                                                                                                                                                                                                                                                                                                                                                                                                     Peptide #3 used to assay vitromectin receptor binding inhibition.
                                                                                                                                                                                                     Ö
                                                                                                                                                                          58 20; Length 6;
                                                                                                                                                                                                     Indels
                                                                                                                                                                          100.0%; Score 35; 58-20; 100.0%; Pred. No. 9.3e+05;
                                                                                                                                                                                                     K. smatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Disclosure, Page 17; 67pp; English.
Example 2; Page 43; 88pp; English.
                                                                                                                                                                                                                                                                                                                         AAB28163 standard; peptide: 6 AA.
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                                                                                                                                                                                                     6; Conservative
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                                                                                                                                                                                     Best Local Similarity
Matches 5: Conserv
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                                                                                                                                               6 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gopalsamy A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Unidentified.
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                                                                                                                                                                                                                                                                                                                                                 AAB28163;
                                                                                                                                                 Sequence
                                                                                                                                                                        Query Match
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which was used as a reference compound in an assay for the ability of the
                                 amido-carboxylic acid derivatives of the present invention to inhibit integrin vitronectin receptor (alpha_vbeta_3) binding. Integrin alpha_vbeta_3 has been shown to mediate the invasion of cancerous meianoma cells into healthy tissue and to protect these cells against apoptosis. In addition, vitronectin receptor antagonists have been shown to inhibit the growth of various solid tumours of human crigin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 System for reconstructing osseous tissue, asciul e.g. for treating fractures, comprises scalled containing premater of bone formation and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        tissue comprising a scaffold carrying a compound (1) that promotes bone formation and a component that decreases bone resorption (II).

(I) induces migration and adhesion of osteoblasts and osteoblasts and osteoblasts and osteoblasts and matrix. (I) is proteolysis (specifically by plasmin) of extracellular matrix. (I) is preferably selected from: solectin or selectin binding fragments, proteins and peptides that facilitate cell adhesion,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The invention relates to a novel system for reconstitution of osseous
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Bone regeneralive; osteopathic; osseous tissue; reconstitution; scaffold matrix; bone formation promoter; bone resorption inhibitor; cell adhesion; osteoblast; osteoclast; bone defect; fracture.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      plasminogen activator inhibitors, protease inhibitors and
metalloprotease inhibitors. The peptides AAY80466-Y80492 are claimed
examples of cell adhesion peptides used in the system of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0
                                                                                                                                                                                                                                                                                                                                                                                           100.0%: Score 35; DB 21; Length 5;
100.0%: Pred. No. 9.3e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             include regulatory compounds for specific cell types
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           X. smatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (PHAR-) PHARMACAL BIOTECHNOLOGIES INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 14; Page 31; 44pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAY80475 standard; peptide; 5 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          99WC-CS1680C.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Cell adhesion peptide #10.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI: 2000-195084/17.
                                                                                                                                                                                                                                                                                                                                                                                                                        Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 24-JUL-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               06-JUN-2000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sudny JA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAYBC475;
                                                                                                                                                                                                                                                                                                                    Sequence
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RESULT 11 AAB91972

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The invention relates to experimental models for studying neurodegenerative diseases associated with amyloid accumulation. The activity of peptides of the invention may be described as neuroprotective and anti-Alzheimer's. They act by incibiting amyloid accumulation. The experimental model may be used to study neurodogenerative diseases exsociated with amyloid accumulations, e.g. Alzioner's diseases and to identify potential therappeutic agents for treating those diseases. The current sequence represents an integrin modulator poptide of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Experimental models for studying neurodegenerative diseases associated with amyloid accumulation, useful for studying e.g. Altheimer's disease and for identifying potential therapeutic agents -
                                                                                                                                                                                                                                                                                                                      Neurodogemerative disease, amyloid: nouroprofective: anti Alzheimer's; Aizheimer's disease, integrin; therapeutic agent.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100,0%; Score 35; DB 23;
100,0%; Pred. No. 9.3e+65;
ive 0: Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAR04612 standard; protein; 6 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 15; Page 63; 80pp; English.
                                                                                                                                                                  ABB80076 standard: peptide: 6 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gall CM:
                                                                                                                                                                                                                                                                                    integrin modulator peptide #5.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          25-SEF-2031; 2001WC-US29788.
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(first entry)
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1 GRGDIP 6
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                       1 GRGDIP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Antiviral agent
                                                              GRGDTP
                                                                                                                                                                                                                                                                                                                                                                                                                             WC20326107-A2
                                                                                                                                                                                                                                                                                                                                                                                     Unidentified.
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05-SEP-1990
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    C4-APR-2302
                                                                                                                                                                                                                                             27-AUG-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAR04612;
                                                                                                                                                                                                       ABB80076;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Lynch G,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 13
AARO4612
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches
                                                                                                                                         AB530076
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The present invention describes a modified therapeutic peptids (1) comprising a therapeutically active amino acid region (II) and a less therapeutically active amino acid region (II) and a less therapeutically active amino acid required from a less therapeutically active amino acid required (10), which convolutity bonds with amino/Mydrayl/Lhiol groups on blood components to form a peptidase stabilised therapeutic peptide composed of 3-50 amino acids (2) are useful for modifying therapeutic peptides e.g. hormones, growth in vivo for the treatment of various disorders. Endogenous thompsuffic peptides are not suitable as after candidates as they require frequent peptides are not suitable as after candidates as they require frequent administration due to rapid degradation by peptidases in the body. Modifying and attaching therapeutic peptides to albumin prevents or reduces the action of peptidases to increase length of activity (half life) and specificity as bonding to large moleculus docreases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Modifying and attaching therapeutic peptides to albumin prevents peptidase degradation, useful for increasing length of in vivo activity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Caps
                                                                                                                                                                                                                                                                                                                                                                                                                       Protection, endogenous therapeuthe peptide, peptidase, conjugation, blood component, modification, succinimidyl, maleimido group, amino, hydroxyl, thiol, hormone, growth factor, neurotransmitter.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    intracellular uptake and interference with physiclogical processes. AABS0829 to AABS2441 represent peptides which can be used in the exemplification of the present invention.
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                                                                                                                                                                                                                                                                                                                                                                                  Fibronectin fragment and fibrin related peptide SEQ ID NO:1148.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%; Score 35; 05.22; Length 6; 100.0%; Pred. No. 9.3e-05; Sive 0; Mismatches 0; Indels
                                                                               Indels
                                          d.possa
                                      Score 35: DB 21;
Pred. No. 9.3e+05;
: Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Hoimes DL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Disclosure; Page 571; 733pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Milner PG,
                                                                                                                                                                                                                                                               AAB91972 standard: Peptide: 6 AA.
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:
                                        100.0%;
100.0%;
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990S-0159783.
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Best Local Similarity 190.
Matches 6; Conservative
                   Owery Match
Best Local Similarity 100.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (CONJ - ) CONJUCHEM INC.
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                                                                                                                                                 1 GRGDIP 6
                                                                                                                     1 GRUDITP 5
6 AA;
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15-OCT-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Bridon DP,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Synthetic.
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  Seguence
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Gaps ö

Length 6; Indels

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The peptide sequence octains the Arg-Gly-Asp motif of cell adhering proteins. It comprises the essential unit of a water-sol, vinyl polymer with a prof. mol. wt. of 3000-100,000 D. The polymer shows various biological activities, e.g. immunological coordination, wound healing action and platelet aggregation inhibiting action etc. See also AAR29062-8.
                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Adhesive peptide: cell adhesion; inhibitor; piatolet aggregation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
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of attachment to tenascin by Arg-Gly Asp contg. peptides. It completely inhibited attachment at a concm. of 500m/ml, 35-55-56-fold lower than needed for comparable fibilition of cell attachment to vitronectin and fibrorectin resp. (Updated on 25-MAR-2003 to correct PA field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Matur-soluble vinyl polymor derival for animal cell adhesion inhibitor or platelet aggregation inhibitor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   88.6%: Score 31; DB 13; Length 6: 83.3%; Pred, No. 9.3e-05; Live 1; Mismatches 0; Indeis
                                                                                                                                                                                                             0; ladels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Peptide contg. RGD motif as a side chain to a water
                                                                                                                                                                    DB 11;
9.3e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /noic- "alkylaicd/a:ylated"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /noter "alkylated/arylated"
                                                                                                                                                                                                             1; Mismatches
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                                                                                                                                                                    Score 31;
Pred. No. 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example: Page 12: 14pp; Japanese.
                                                                                                                                                                                                                                                                                                                                                                                                     AAR29063 standard; peptide; 6 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (FUJE ) FUJI PHOTO FILM CO LID.
                                                                                                                                                                    88,6%;
83.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         90JP-0404347.
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                                                                                                                                                                                                             5; Conservative
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                                                                                                                                                                                          Sest Local Similarity
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GRGDSP 6
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| GRGDSP 6
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Synthetic.
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                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                            RESULT 15
AAR29063
                                                                                                                                                                                                             Matches
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      8288888
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                                                                                                                                                                                                                                                                                                                                Antiviral agent contg. trippetide (unit) - of basic aminoacid, then alamine, qiycine or sarcosine, and actidic aminoacid, effective adainst virus with protein-terminated DNA or RNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      20.00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Peptide is effective against inhibiting propogation of DNA or RNA bonded, protein containing viruses eq. Pollovirus, Bepailitis virus. (Updated on 25-MAR 2003 to correct PA Held.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The peptide was used in cell attachment assays to show inhibition
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Fred. No. 3.3e:05;
1: Mismatches 6: Indels
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Antiviral; M2; poliovirus; polio, heatitis
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                                                                                                                                                                                                                                                                                                                                                                                                                                          Disclosure: Page ?; 4pp; Japanese.
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93,38)
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(first entry)
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Best Local Similarity 94.3
Matches 5: Conservative
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Job time : 39 secs

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/cqnd_6/ptcodata/2/pubpaa/7/8096_PURGCMS.pep.*
/cqnd_6/ptcodata/2/pubpaa/7/809_NEB.pep.*
/cqnd_6/ptcodata/2/pubpaa/7/810A_PURGCMS.pep.*
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/cqn2_6/ptodata/2/pubpaa/US20_USN.pep:*/
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/cgn2_6/prodata/2/pubpaa/US06_DUBAONB-Bpp:+
/cgn2_6/ptodata/2/pubpaa/NS07_NBW_PUB-CPp:+
/cgn2_6/ptodata/2/pubpaa/PCTCS_PTBCOMB, pep:+
/cgn2_6/ptodata/2/pubpaa/NS08_NBW_PCH:-
/cgn2_6/ptodata/2/pubpaa/US08_PCBCOMB, pep:+
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                                                                                                                                                                                                                                                                                                                  15287
GenCore version 5.1.6
Copyright (c) 1993 - 2063 Compugen LLd.
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US-09-177-843-2
US-09-841-321A-28
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US-09-961-834-1
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                                                                                                                                                                                                                                                                                556269 seqs, 148893369 residues
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                                                                                               September 16, 2003, 18:19:48
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Listing first 45 summaries
                                                                 OM protein - protein search, using sw model
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Match Length
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Perfect score:
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16	. E.	98.0	တ	7	-10-007-270	Sequence 35, App
<u>ن</u>	31	æ	9	7	0-114-	7
20	31	ß	ş	ic.	10-046-801-	Sequence 5, Appl
21	3.]	(X)	9	15	. 237	Sequence 83, App
2.2	31	ဆ	9	7	US-10-136-935-21	Sequence 31, Appl
23	58	7	۵	୍ର	-03-963-	10,
24	58	7	9	10	US-09-916-940-5	2, 7
en Oi	58	7	9	10	US-09-792-630-54	54,
26	29	$^{\circ}$	\$	10	US-09-966-976A-10	Sequence 10, Appl
27	29	2	9	12	US-10-096-550-5	5,
28	58	2	۵	14	US-10-080-376-54	Sequence 54, Appl
58	58	?	9	-3	US-10-061-395-2	Sequence 2, Appl
36	58	$^{\circ}$	S		US-10-053-355A-7	7,
31	27	7	Φ		US-09-765-086-17	17,
32	27	77.1	9		US-09-364-597A-23	23,
33	27	77.1	vo	0.	US-09-177-843-2	7
340	27		ç	15	US-10-375-992-17	Sequence 17, Appl
3.2	27		ð	12	US-10-420-029-2	7
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Ţ	25	71.4	9		JS-09 892-071-5	5, Ap
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7.7	25		Ş	14	US-10-007-270-34	Sequence 34, Appl
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APPLICANT: Stein, Elke
IITE OF INVENTION: Methods for Leteraining cell Responses
IITE OF INVENTION: Methods for Leteraining cell Responses
IITE OF INVENTION: Through Pake Receptors
FILE REFERENCE: 22000, 608529;
CURRENT APPLICATION NUMBER: CS/19/426,029
CURRENT APPLICATION NUMBER: CS/19/426,029
PRIOR APPLICATION NUMBER: 09/485,653
PRIOR FILING DATE: 2000-02-14
PRIOR FILING DATE: 1999-08-19
PRIOR PLING DATE: 1997-08-19
PRIOR PLING DATE: 1997-08-19
NUMBER: OF SOL IN NORTHERE: 66/056,164
PRIOR FILING DATE: 1997-08-19 SOFIWARE: FastSEQ for Windows Version 4.0 SEQ ID NO 1 Sequence 1, Application US/10425029 Publication No. US20030157712A1 GENERAL INFORMATION: ORGANISM: Artificial Sequence AFPLICANT: Daniel, Thomas O. RESULT 1 US-10-420-629-1 TYPE: PRT

ALIGNMENTS

FRATURE: OTHER INFORMATION: Description of Artificial Sequence; No. US26639157712Ale CTHER INFORMATION: Synthetic construct. US-10-420-029-1

Gaps 6 100.0%; Score 35; DB 12; Length 6; 100.0%; Pred. No. 5e+05; Indels 0 Mismatches ; 0 Conservative Query Match Best Local Similarity Matches 6; Conserv GRCDIP 6 GRGDTP Š

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LOCATION: (1)..(6)
OTHER INFORMATION: Synthetic
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Best Local Similarity 83.5.
57 Conservative
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Best Local Similarity 100.
Matches 6, Conservative
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| GRGDIP 6
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US-10-07-270-33
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GARY P. KIRSCHENHEUTER
FILLE OF INVENTION: SYSTEMATIC EVOLUTION OF LIGANDS BY
EXPONENTIAL ENRICHMENT: BLENDED
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              inch, 1.44 MS storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%; Score 35; DH 14; Longth 5; 100.0%; Pred, No. Sc-05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            e; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            OTHER INFORMATION: Description of Artificial Sequence: OTHER INFORMATION: RGD-containing peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADDRESSEE: Swanson & Bratschur, L.L.C.
STREET: 1745 Shea Center Drive, Suite 385
CITY: Highlands Ranch
COUNTR: Calorado
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 tnch,
COMPUTER: IBM pc compartible
OPERATING SYSTEM: MS-DOS
SOFTWARE: WordPettect 8.0
CURRENT APPLICATION NUMBER: US/10/263.456
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US/09/606,477
FILING DATE: 29-Jen-2000
APPLICATION NUMBER: 06/956,599
APPLICATION COTOBER 33, 1957
APPLICATION WIMBER: 08/234,997
FILING DATE: APRIL 26, 1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: GREG BIBSECKER
SCMEDHA D. JAYASENA
GENERAL GOLD
GENERAL GOLD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE: 02-Oct-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 1, Application US/10263456
Publication No. US20030077646A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM: Artificial Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity 106.
Matches 6; Conservative
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1 GRGDIP 6
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GREERL INFORMATION:
APPLICANT: Urry, Dan
TITLE OF INVENTION:
APPLICANT: Urry, Dan
FITLE OF INVENTION: Injectable Implants For Tissue Augmentation and Restoration
FILE REFERENCE: BERL-020/030S
CURRENT APPLICATION NUMBER: US/09/837,969A
CURRENT FILING DATE: 2001-06-19
PRIOR PILING DATE: 2001-06-19
PRIOR PILING DATE: 1999-02-26
PRIOR FILING DATE: 1998-05-29
PRIOR FILING DATE: 1998-05-29
PRIOR FILING DATE: 1998-02-27
NUMBER OF SEQ 1D NOS: 65
SCFTWARE: Patentin Version 3.0
SSCT UD NOS: 65
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                                                                                                                                                                                                                                                             NAME: BAITY J. SWADSON
REGISTRATION NUMBER: 33.215
REPRENCE/DCCKET NUMBER: NEX.5/C-CON
TELECOMMUNICATION INFORMATION:
TELEPHONE: (303) 79-33.3
TELEPA: (303) 79-34.3
TELEPA: (300) 19-34.3
TELEPA: (300) 10-31.3
SEQUENCE CHARACTERISTICS:
                                                               FILING DATE: JUNE 11, 1990
APPLICATION NUMBER: 06/11/7 591
FILING DATE: SEPTEMBER 8, 1953
APPLICATION NUMBER: 08/12: 535
FILING DATE: SEPTEMBER 17, 1993
APPLICATION NUMBER: 08/199.507
FILING DATE: FERRIBARY 22, 1594
ATIONNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Mismatches
APPLICATION NUMBER: 07/714,131
FILING DATE: JUNE 10, 1991
APPLICATION NUMBER: 07/536,428
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE DESCRIPTION: SEQ ID NO: 1:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 28, Application US/09837969A Patent No. US20020038150A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                              LENGTH: 6 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT
CRGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   88.6%;
83.3%;
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Gaps

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FEATURE:

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GENERAL INFORMATION:
APPLICANT: Ruoslahti, Erkki
APPLICANT: Roslahti, Erkki
APPLICANT: Kolvunen, Erkki
TITLGANT: KOLVUNEN, No. US20220103130Ale: Integrin-Binding Peptides
NUMBER OF SEQUENCES: 46
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 31; DB 10; Length 6; Pred. No. 5e+05;
                                                                                                                                                                                                                                                                                                                                                                              6; indels
                                                                                                                                                                                                                                                                                                                                        Length 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: Patentin Release #1.05, Version #1.25
CURRENT APPLICATION DAIA:
FILING DAIE: 30-701-1999
CLASSIPICATION: 514
FRIDA APPLICATION: 514
FRIDA APPLICATION: 514
FRIDA APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US 08/158,001
FILING DAIE: 24-NOV-1993
PRICA APPLICATION NUMBER: US 08/286.861
FILING DAIE: 04-NUMBER: US 08/286.861
FILING DAIE: 04-NUG-1994
ATTORNEY AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADDRESSER: Campbell & Flores LLP
STREET: 4370 La Jolia Village Drive, Suite 700
CLTY: San Diego
STATE: California
                                                                                                                                                                                                                                                                                                                                      Score 31; DB 9;
Pred. No. 5e+05;
                                                                                                                                                                                                                                                                                                                                                                                Mismalches
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REFERENCE/DOCKET NUMBER: P-LA 3419
IELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                             : ORGANISM: Fibronectim ligand receptor US-09-961-834-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 21, Application US/09364597A Patent No. US20020103130A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEPHONE: (858) 535-9001
TELEFAX: (858) 535-8949
INCHMAITON FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            88.6%;
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Bost Local Similarity 83.3.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
US20020081726A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: amino acid
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                   1 GRGDIP 6
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                                                                  TILE OF INVENTION: Injectable Implants for Tissue Augmentation and Restoration TILE OF INVENTION: Injectable Implants for Tissue Augmentation and Restoration TILE OF INVENTION INCOMER: US/69/R37,969A CURRENT APPLICATION NUMBER: US/69/R37,969A CURRENT FILING DATE: 2001-66-19 PRIOR PELING DATE: 1995-02-26 PRIOR FILING DATE: 1995-02-26 PRIOR FILING DATE: 1996-02-26 PRIOR FILING DATE: 1996-02-29 PRIOR FILING DATE: 1996-02-27 NUMBER: US 60/C6297 PRIOR PILING DATE: 1998-02-27 NUMBER OF SQ 1D NOS: 65 SOFTWARE: Patentin version 3.3 SCOTWARE: Patentin version 3.3 LENGTH: 6
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APPLICANT: Bioclastics Research, Ltd.
APPLICANT: Urry, Dan
TITLE OF INVENTION: Hicelastomer Natiomachines and Biosensors
FILE REFERENCE: BERi-030/C1US
CURRENT APPLICATION NUMBER: US/03/888,260
CURRENT FILLNG DATE: 2001-06-21
PRIOR APPLICATION NUMBER: 60/213.364
PRIOR FILLING DATE: 2000-06-23
NUMBER OF SEQ. ID NOS: 63
SOFTWARE: Patentin version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 C: Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 31; DB 9;
Prod. No. 5e+05;
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            Sequence 46, Application US/09837959A Patent No. US20020548150Al GENERAL INFORMATION:
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COTHER INFORMATION: Synthetic
US-09-837-969A-46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LOCATION: (1)..(6)
OTHER INFORMATION: Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 83.33
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               5; Conservative
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1 GRGDSP 6
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US-09-888-260-15
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US-09-961-834-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQ ID NO 15
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; Seguence 1, Application US/09961834

FEATURE:

Matches

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LENGTH:

Gaps

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APPLICANT: Urry, Dan
TILE OF INVENTION: Injectable Implants For Tissue Augmentation and Restoration
FILE OF INVENTION: Injectable Implants For Tissue Augmentation and Restoration
FILE OF INVENTION: Injectable Implants US/09/841,321A
CURRENT APPLICATION NUMBER: US/09/841,321A
CURRENT FILING DATE: 1999-02-28
PRIOR APPLICATION NUMBER: US 6./087155
PRIOR FILING DATE: 1999-05-29
PRIOR FILING DATE: 1999-05-29
PRIOR FILING DATE: 1999-05-27
NUMBER OF SEQ ID NOS: 65
SOFTWARE: Patentin Version 3.0
                                                                                                                                                                                                                                                                                                                                                              Score 31, DB 10, Lenath 5, Pred, No. Sev35, 1, Mismatches 6: Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   6: Indels
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Pred, No. 50.05:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1; Mismatches
                PRICE TILING DATE: 1995-62-26
FRICH APPLICATION NUMBER: US 6C/067155
PRICE FILING DATE: 1998-05-29
PRICE APPLICATION NUMBER: US 6C/075297
FRICH RILING DATE: 1998-02-27
NUMBER OF SEQ ID NOS: 65
SOFTWARE: PATENTIN VEFSICE 3.0
    PRIOR APPLICATION NUMBER: US 09/258,723
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 46, Application US/09841321A
Patent No. US20020116069A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 3, Application US/09871974 Patent No. US20020147136A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
APPLICANT: VON WRONSKI, MATHEW A.
APPLICANT: MARINELLI, EDKUND R.
APPLICANT: NINN, BARIAN D.
APPLICANT: PILLAI, RADHAKKISHNA
                                                                                                                                                                                                                                                                                                                                                                88.5%;
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ORGANISM: Artificial Seguence
                                                                                                                                                                                                                      ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        : LOCATION: (1)...(6)
: OTHER INFORMATION: Synchetic
US-09-841-321A-46
                                                                                                                                                                                                                                                                             DOCATION: (1)..(6)
CTHER INFORMATION: Synthetic
TR-09-841-321A-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Obery Match
Rest Local Similarity 83.35,
See 5: Conservative
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Hest Local Similarity 83.5.
No. 5: Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME/KEY: PEPTIDE
                                                                                                                                                                                                                                                                NAME/KEY: PEPTIDE
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                                                                                                                                                                                  LENGTH: 6
                                                                                                                                                                                                     TYPE: PRT
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TITLE OF INVENTION: Injectable Implants For Tissue Augmentation and Restoration
FILE REFERENCE: BERL-020/0408
CURRENT APPLICATION NUMBER: 18/09/841,321A
CURRENT FILING DATE: 2001-04-30
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  Indels
                                                                                                                                                                                                                                   APPLICANT: THE TRUSTERS OF COLUMBIA UNIVERSITY IN THE APPLICANT: THE TRUSTERS OF COLUMBIA UNIVERSITY IN THE APPLICANT: TITLE OF INVENTION: A METHOD OF PREVENTING THE OF SUCHES AND TITLE OF INVENTION: PROSTHETIC DEVICES, AND PROMOTING TITLE OF INVENTION: INGRESS OF LEGINOCYTES INTO TUBER TITLE OF INVENTION: FOLL NUMBER OF SUCHESCES: 2 CORRESPONDENCE: 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            indels:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: ISM PC compatible
COMPUTER: SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version: #1.30
CURRENT APPLICATION DATA:
FLUIG DATE: 35/69/177,843
FLUIG DATE: April 22, 1997
CLASSIFICATION:
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0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ATTORNEY/AGENT INFORMATION:
NAME: White, John PECISTRATION NUMBER: 28,678
RECISTRATION NUMBER: 48940-A-PCT/JFW/JKM
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-759-6400
TELEPHONE: 212-759-6525
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1; Mismatches
1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                     5: Cooper & Dunham LLP
1185 Avenue of the Americas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; Sequence 28, Application US/39841321A
; Patent No. US20020116069Al
; GENERAL INFORMATION:
                                                                                                                                                                           Sequence 1, Application GS/0917784? Patent No. US20020114804Al GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           INFORMATION FOR SEQ ID NO: 1: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 88.6%;
83.3%;
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Best Local Similarity 83.3
Matches 5, Conservative
Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New York
                                                                                                                                                                                                                                                                                                                                                                                                                                                           CITY: New York
STATE: New York
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 GRGDTP 6
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1 GRGDSP 6
                                        1 GRGDIP 6
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1 GRGDSP 6
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US-09-177-843-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COUNTRY: 7
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                                                                                                                                                                                                                                                                                                                                                                                                                       ADDRESSEE:
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US-09-841-321A-28
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Matches
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1 GRGDSP 6
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                                          APPLICANT: NANJAPPAN, PALANIAPPA
APPLICANT: NANJAPPAN, PALANIAPPA
APPLICANT: RAJU. NATARANIAN
ITILE OF INVENTION: COMPANIAN
ITILE OF INVENTION: CONTAINING THE SAME AND METHODS FOR THEIR TEE
FILER REFERENCE: 2238-7
CURRENT APPLICATION NUMBER: US/09/871,974
CURRENT APPLICATION NUMBER: US/09/871,974
PRIOR PPLICATION NUMBER: 09/585,864
PRIOR PILING DATE: 2000-06-02
NUMBER OF SEQ 10 NOS: 33
SOFTWARE: Patentin Ver. 2.1
LENGTH.66

LENGTH:66
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                                                                                                                                                                                                                                                                                ) OTHER INFORMATION: Description of Artificial Sequence: Synthetic ) OTHER INFORMATION: peptide US-09-871-974-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       88.6%; Score 31; DB LC; Length 6; 83.3%; Pred. No. 5e+C5; cive 1; Mismatches 9; indels
                                                                                                                                                                                                                                                                                                                                               88.6%; Score %; DB 10; Length 6:
83.3%; Pred; No. Ser05;
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RAMALINGAM, KONDAREDDIAR
TWEEDLE, MICHAEL F.
LINDER, KAREN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-10-262-435-5
; Sequence 5, Application US/:0262435
; Publication No. US20030166832A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
APPLICANT: Goldstein, Gideon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                            TYPE: PRT
ORGANISM: Artificial Sequence
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Best Local Similarity 83.3
Matches 5; Conservative
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Bost Local Similarity
The 5: Conserva
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| GRGDSP 6
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1 GRGDSP 6
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                               APPLICANT:
                 APPLICANT
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Fublication No. US20030166833A1
Fublication No. US2003016683A1
Fublication No. US2003016683A1
GENERAL INFORMATION
APPLICANT: LIO1F, Matthias
APPLICANT: Hubbell, Jeffery Alan
APPLICANT: John, Anna
APPLICANT: John, Anna
APPLICANT: John, Anna
APPLICANTION GROWTH, Factor Modilied Protein Matrices for Tissue
CIRRENT APPLICATION NUMBER: US, 10, 10, 12, 18
PRIOR APPLICATION NUMBER: 10, 70, 12, 18
PRIOR FILING DATE: 2001-12-18
PRIOR FILING DATE: 2001-12-18
PRIOR FILING DATE: 2001-12-18
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TITLE OF INVENTION: Methods and Compositions for Impairing Maltiplication of HIV-1
                                                                                                                                STREET: Spring House Corporate Catr., P.D. Box 457 CIIY: Spring House
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             88.6%: Score 31; DR 12; Longth 6; 83.3%: Pred. No. 5c+55;
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                                                                                                                                                                                                                                                                                        MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentl: Release #1.0, Version #1.36
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/262,435
FILING DATE: 30-Sep-2062
CLASSIFICATION: <UNKnown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ..
5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/C9/451,067
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GGP2AUSA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY: linear
MOLECULE TYPE: poptide
SEQUENCE DESCRIPTION: SEQ 1D NO: 5:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE: <Guknown>
APPLICATION NUMBER: 09/113,921
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PRIOR FILING DATE: 2002-11-07
NUMBER OF SEQ ID NOS: 23
SOFTWARE: Patentin version 3.1
SEQ ID NO 9
                                                                                                             ADDRESSEE: Howson and Howson
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             REGISTRATION NUMBER: 31,215
REBERBENGS-DOCKEL NUMBER: GGR
TELECOMFUNICATION INFORMATION:
TELEPHONE: 215-540-9200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STRANDEDNESS: <Unknown:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FIEING DAIE: <Unknown> ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEFAX: 215-540-5818
INFORMATION FOR SEC ID NO: 5:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LENGTH: 6 amine acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
                                                                           CORRESPONDENCE ADDRESS
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Sest Local Similarity Books
whee 57 Conservative
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                                                                                                                                                                                                               COUNTRY: USA
ZIP: 19477
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
ORGANISM: Homo sapiens
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G: Gaps
                                                   Ouery Match 88.6%; Score 31; DS 12: Length 5; Best Local Shillarity 83.3%; Pred. No. Se+65; Matches 5; Conservative 1: Mismatches 0; Indels
US-10-325-021-9
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Search completed: September 16, 2003, 18:21:52 Job time : 25 sers

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GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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using sw model - protein search, OM protein

September 16, 2063, 18:18:28 ; Search time 14 Seconds
(Without alignments)
41.215 Million cell updates/sec Run on:

05-09-780-612A-1 35 1 GRGDTP 6 Title: Perfect score:

BLOSJM62 Gapop 16.0 , Gapext 6.5 Scoring table: Sequence:

283308 segs, 96169682 residues Searched: 316 Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0 Maximum DB seq length: 6

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing First 45 summaries

Database :

PIR_76:* 1: pirl:* 2: pir2:* 3: pir3:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARTES

Description Score Match Length DB 1D

Ta beany chain CRO	Tree!! reception he		H& histone - Afred	I-cell receptor Le	T-cell receptor be	ribosomal protein	T-cell receptor be	photosystem 1 10.4	T-coll receptor be	T-cell receptor be	i cell receptor be	[-cell recopior be	1 cell receptor be	riboscmal protein	T-cell receptor be	I-cell receptor be	T-cell recentor be	T-cell receptor be	T-cell receptor be	T-cell receptor be	T-cell receptor be	I-cell receptor be	antho-RFamide seur	autho-RF amide neu	ubiquitin - rat	spinal cord peptid	primase - Citrobac	20K protein - Rick
6 2 PT0280	5 2 270608	5 2 PT0690	6 2 151434	6 2 PT0630	6 2 PTC514	4 2 \$17255	4 2 PTG711	5 2 PQ0689	5 2 PI0513	5 2 PT0538	5 2 PT0703	5 2 PT0573	5 2 PT0679	6 2 \$78764	6 2 PT0629	6 2 PT0511	6 2 PT0504	6 2 PT0687	6 2 PT0652	6 2 PT0587	6 2 PT0568	6 2 PT0709	4 1 ECXAA	4 2 A25844	4 2 847552	5 2 C23751	5 2 I40702	5 2 B31836
18 51.4	17 48.6	17 48.6	17 48.6	17 48.6	13 37.1	12 34.3	12 34.3	12 34.3	12 34.3	12 34.3	12 34.3	12 34.3	12 44.3	12 34.3	12 34.3	12 34.3	12 34.3	12 34.3	12 34.3	12 34.3	12 34.3	12 34.3	11 31.4	11 31.4	11 31.4	11 31.4	11 31.4	11 31.4
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S53595 D44823	C53284	PT0525	PT0553	PT9561	PT0695	PT0706	A60494	A46474	Pr0605	PIC619	PTC668	PI0723	A41946	A53284
10 t0	5 2	2 2	2	2	2	2	2	9	6 2	5 2	6 2	9	2 9	4 2
11 31.4 11 31.4	11 31.4	11 31.4	11 31.4	13 31.4	12 31.4	11 31.4	11 31.4	11 31.4	31 31.4	11 31.4	11 31.4	11 31.4	11 31.4	10 28.6
30	32	er. eri	7 E	3.5	35	3,7	38	39	40	41	42	e e	44	45

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llarity 50.0%; Pred; No. 2.8e+05;
Conservative 0; Mismatches
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Acst Local Similarity
Matches 37 Conserv
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Gaps 1 GSGSAP 6 Ë, ô

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ABSULI 2 P106(3) P106(3) Checkes: Mus musculus (house rouse) CiSpecies: Mus musculus (house rouse) CiSpecies: Jul-1992 #sequence_revision 17-Jul-1992 #text_change 30-May-1997 CiAccession: P10608

regions

., A.Title: Junctional sequences of total T cell receptor betw chains have few N : A.Title: Junctional sequences of total T cell receptor betw chains have few N : A.Receasion: PT0609; MUD:91277601; PMID:1711556
A.Receasion: PT0608
A.Status: translation not shown
A.Residues: 1-5 cFEP>
A.Residues: 1-5 cFEP>
A.Residues: 1-5 cFEP>
C.Keywords: 7-cell receptor Query Match 48.6\$; Score 17; DB 2; Length 5; Best Local Similarity 100.0\$; Pred. No. 2.8e+05; Matches 3; Conservative 0; Mismatches 0; Lidels

3 GRG 5 1 GRG 3 ô ac.

Gaps

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RESULT 3

A,Status: translation not shown A,Molecule type: DNA A,Residues: 1-5 <FEE>

A; Accession: PT0590

R; Feeney, A.J.

3 GDT 5

Cb

RESULT 4

3 GPT 5

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GDI

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3. Exp. Med. 174, 115-124, 1991
A.Title: Junctional sequences of fetal T cell receptor beta chains have few N regions A.Reterence number: PT0509; MUID:912776C1; PMID:1711856
A.Recession: PP0607
A.Status: translation not shown
A.Molecule type: mRNA
A.Residues: 1-4 cFE1>
A.Reterimental source: newborn thymus, strain RALB/C, 120-23
A.Recession: PT0674
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Fibosofial protein YELL, mitochondrial, questionable yeast (Succharomyces cerevisiae C)Species: Saccharomyces cerevisiae
Alvarioty: strain 07173
C)Date: 23-Apr-1993 #sequence_revision 14:Sep-1994 #text_change 69:May-1997
C)Date: 23-Apr-1993 #sequence_revision 14:Sep-1994 #text_change 69:May-1997
C)Accession: S17255
FEBS Lett. 284, 51-56, 1991
A)Title: Extended N-terminal sequencing of proteins of the large ribosomal subunit fr
A)Reterence number: S17255; MUID:91265106: PMID:2060626
                                                                                                                                                                                                                                                                                                 3. Exp. Med. 174, 115-124, 1991
Addition underload sequences of fetal T cell receptor beta chains have few N regions A.Reference amber: PT0509; MUID:9127601; PMID:171158
A.Reference amber: PT0509; MUID:9127601; PMID:171158
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A)Molecule type: protein A;Residues: 1-4 <GRO> C:Comment: A coding region for this protein could not be identified in the genome of
                                                                                                               T-cell receptor beta chain V-D-3 region (188-4AG) - mouse (fragment)
C:Species: Mus musculus (house mouse)
C:Date: 17-Jul-1992 #sequence_revision 17-Jul-1992 #text_change 38-May-1997
C:Accession: PT0514
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CiSpecies: Mus musculus (house mouse)
CiDates: In Juli1992 #sequence_revision 17-Juli1992 #text_change 30-May-1997
CiDates: In Juli1992 #sequence_revision 17-Juli1992 #text_change 30-May-1997
Rifeeney, A.J.
Rifeeney, A.J.
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C.Keywords: mitochondrion: protein biosynthesis; ribosome
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 13; DB 2; 1
Pred. No. 2.8e+05;
1; Mismatches ();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Alexperimental source: adult thymus, strain BALB/c
C:Keywords: I-cell receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Cuery Match
Best Local Similarity 66.7%;
Matches 2; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                               A:Status: translation not shown
A:Molecule type: mRNA
A;Residues: 1-6 <FBE>
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    Exp. Med. 174, 115-124, 1991
    A,Title: Junctional sequences of fetal T coil receptor beta chains have few N regions.
    A,Reference number: PT0509; MGID:91277601; PMID:1711558

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Cispecies: Xeropus lacvis (Africa: Clawfed flot)
Cyaccession: 13-58p-1996 #sequence_revision l*-Sep-1996 #text_change 21 [1] 2007
Cyaccession: 131434 #armington, G.R.; Ballantine, J.E.M.; Turner, P.C.
Nucleic Acids Res. 12 4939-4958, 1984
Africa: Are there major developmentally regulated 84 gene classes in Xenopus?.
A. Accession: 151391; MUD:84247348; PMID:633669;
A. Accession: 151391
A. Molecule type: mRNA
A. Residues: 1-6 <WOO>
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                               C:Species: Mus muscalus (house mouse)
C:Date: 17-Jul-1992 #sequence_revision i7-Jul-1992 #text_change 30-May-1997
C;Accession: PT6690
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            C:Species: Mus musculus (house mouse)
C:Date: 17-Jul-1992 #sequence_revision 17-Jul-1992 #text_change 30:May [997
C:Accession: PT0630
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 A;Cross-references: GB:K02304; NID:q214227; PIDN:AAA49738.1; PID:q555517
T-cell receptor beta chaim V-D-J region (140-18D) - mouse (fragment)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ٠.
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PT0636
T-cell receptor beta chain V-D-3 region (111-10) - mouse (frugmont)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 48.6%: Score 17: 08.2: Londth 6: Best Local Similarity 100.09; Pred. No. 2.86 \pm 05; Matches 3: Conservative \theta: Mismatches 0: Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 5;
                                                                                                                                                                                                                                                                                                                                                                                                   A:Experimental source: day 18 fetal thymus, strain HALS/C
C:Keywords: T-cell receptor
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A;Title: Junctional sequences of fetal T cell receptor : A;Reference number: PT0509; KUID:91277651; PMID:1711558
A;Accession: PT0630
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ouery Match 48.6%; Score 17; 58.2; to Best Local Similarity 106.0%; Pred, No. 2.8e-05; Matches 3; Conservative 3; Mismatches 0;
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C.Keywords: T-cell receptor
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H4 histone - African clawed frog (fragment)
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A)Status: translation not shown A)Molecule type: mRNA A,Residues: 1-6 <FEE>

R; Feeney, A.J.

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Treell receptor beta chain V-D-J region (126-15) - mouse (fragment)
C.Species: Mus musculus (house mouse)
C.Species: Mus musculus (house mouse)
C.Species: 17-Jul-1992 #sequence_revision 17-Jul-1992 #text_chauge 30-May-1997
C.Accession: PT0538; PT0539; PT0603
R.Feeney, A.J.
J. Exp. Med. 174, 115-124, 1991
A.Title: Junctional sequences of fetal T cell receptor beta chains have few N regions A.Reference number: PT0509; MUID:91277601; PMID:1711558
A.Reference number: PT0509; MUID:91277601; PMID:1711558
A.Status: translation not shown
A.Molecule type: mRNA
A.Residues: 15 cFRES
A.Reperimental source: day 18 fetal thymus, strain BALB/C. clone 126 if
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 A. Freedoy, A.J.

J. Exp. Med. 174, 115-124, 1991

A.Titler Unordical sequences of fetal T cell receptor beta chains have few N regions A.Reference number: PT0509; MUID:91277601; PMID:1711559

A.Reference number: PT0703

A.Stalus: translation not shown

A.Molecule type: DNA

A.Residues: 1-5 <FEE>

A.Experimental source: newborn thymus, strain BALB/C

C.Keywords: T-cell receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
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(Species: Mus musculus (house mouse)
(Species: Mus musculus (house mouse)
(Species: Musculus (house mouse)
(Species: Musculus (house mouse)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
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                                                                                                                                                    Gaps
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A;Accession: PT0603
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C;Keywords: T-cell receptor
A/Experimental source: mewborn thymus, strain BALB/G, clone 120-18
C:Reywords: T-cell receptor
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                                                                                         34,3%; Score 12; DB 2; 34
100,0%; Pred, No. 2,8e+65;
                                                                                                                                                 5, Mismatches
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A:Molecule type: mRNA
A)Rosidues: 1-5 <FE3>
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Best Local Similarity 100.0
Matches 2; Conservative
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C;Species: Nicotiana tabacum (common tobacco)
C;Species: 19 May-1994 *sequence_revision 19-May-1994 *text_change 17-Mar-1999
C;Accession: P00689
R;Obokata, J.; Mikami, K.; Hayashida, N.; Nakamura, M.; Sigiura, M.
Plant Physio: 102, 1259-1267, 1993
A;Title: Molecular heterogeneity of photosystem I. psaC. psaE. psaF. psaH and psac, are 3 A;Reference number: P06667; MUD:94.05345; PMID:8278548
A;Reference number: P06689
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A;Accession: PT0513
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     A, Experimental source: newborn thymus, strain BALB/c (closes 161-2AE and 161-2AF)
C:Keywords: T-cell receptor
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C;Date: 17-Jul-1992 #sequence_revision 17-Jul-1992 #text_change 30-May-1997
C;Accession: PT0513; PT0606
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A)Residues: 1-5 <080>
C)Keywords: chloroplast; photosynthesus; protosystem L: thylakold
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A,Experimental source: adult thymus, strain BAGH/C, clone 100-4AD
A,Accession: PT0606
                                                                                   A; Experimental source: day 18 fetal thymus, strain BALB/c, 146-16
A; Accession: 2706.78
A; Status: translation not shown
A; Molecule type: DNA
A; Residues: 1-4 <EB3>
                                                                                                                                                                                                                                                                                                                                                                                       A;Experimental source: day 19 fetal thymus, strain BADB/R: 14:-11
A;Accession: PT0711
                                                                                                                                                                                                                            A;Experimenta; source: day 10 fetal thymus, strain BALB/c, 154-11.
A;Accession: PT0576
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. 2.8e+05;
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100.0%; Pred. No.
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J. Exp. Med. 174, 115-124, 1991
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A;Molecule type: mRNA
A;Residues: 1-5 <FE2>
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      A; Status: translation not shown
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Best Local Similarity 100.0
Matches 2; Conservative
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A; Residues: 1-4 <FE5>
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                               A; Molecule type: DNA A; Residues: 1-4 <FE2>
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J. Exp. Med. 174, 115-124, 1991
Article: Junctional sequences of fetal Tipell receptor beta chains Lare few Ninellons. Areference number: Pr0509: MC10:91277601; PMCD:1711558
A.Reference number: Pr0509: MC10:91277601; PMCD:1711558
A.Recession: P7679
A.Recensian: translation not shown
A.Molecule type: DNA
A.Residues: 175 <FEE>
                                                                                                                                                                    J. Exp. Med. 174, 115-124, 1991
Affitle: Junctional sequences of fetal T cell receptor beta chains have few N regions.
A:Reference number: PP0509; NUID:91277561; PMID:1711858
A:Accession: PT0573
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A;Residues: 1-6 <GRA>
C;Keywords: mitochendrion
F;1-6/Product: ribosomal protein NEP-S23 (Iragnent) *status experimental - MAT
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Cyspecies: Bos primiqentus taurus (cattle)
Cyspecies: Bos primiqentus taurus (cattle)
Cyspecies: Sep-1999 #sequence_revision 20-Sep-1999 #maxt_change 20-Sep-1999
Cyspecssion: S78764
R;Graack, H.R.
submitted to the Protein Sequence Database, July 1999
A;Reference number: S78766
A;Reference number: S78766
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C;Species: Mus musculus (house mease)
C;Date: 17-Jul-1992 #sequeece_revision 17-Jul-1992 #text_change 40 May 1997
                                   T-cell receptor beta chain V-D-J region (141-1CC) - mouse (fragment)
C/Species: Mus muscuius (fouse mouse)
C/Date: 17-Jul-1992 #sequence_rovision 17-Jul-1992 #text_change 30-May-1997
C/Accession: PT0573
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A:Accession: PT0708
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34,34; Score 12: FR 2; Longth 5;
Best Local Similarity 100.0%; Prod. No 2.8e+05;
Matches 2; Conservation 0; Mismatches 9; Locals

Matches 2; Conservation 0; Mismatches 9; Locals
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C.Keywords: T-cell roceptor
                                                                                                                                                                                                                                                                                                                                                                        AJEXperimental source: Jay 19 (et.a) thyrus, strain BALS/C
C:Reywords: T-cell receptor
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A:Molecule type: DNA
A:Residues: 1-5 <FE2>
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A;Molecule type: mRNA
A;Residues: 1-5 <FEE>
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S78764
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PT0679
RESULT 13
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Score 12: UB 2: Length 6:
Pred. No. 2.8e+05:
0: Mismatches 1: Indels
                              C; Mismatches
 34.38;
56.78;
 94.39 guery Match best Local Similarity 56.79 Matches 2; Conservative
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PSE648 octopus min
PSE655 chlamydia :
PsE515 sacciarocyc
PSE414 pseudomonas
PSE659 mus m.sculu
PSSE64 acharina [G
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                                                                                                                                  September 16, 2003, 18:17:43; Search time il Seconds (without alignments) 25:651 Million cell updates/sec
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Samfore version 5.1.6
Copyright (c) 1993 - 2003 Cumpagen 15d.
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WAST_CHOPR
HMOI_YEAST
TRZI_BEBU
DPGI_MOUSE
ACHI_ACHII
TRMI_ECOLII
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RE11_LITRU
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Listing first 45 summaries
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Gapop 10.0 / Gapext 0.5
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35
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P4155 Alrudo medi 742561 Arrudo medi 742561 Arrudo medi 742561 Arrudo medi 758707 anthopieura 758707 anthopieura 758707 anthopieura 758706 anthopieura 758708 Arridoposthi 758261 dancus caro 758261 Arridoposthi 758261 Arridoposthi 758261 Arridoposthi 758561 Arridoposthi 758561 Arridoposthi 758561 Arridoposthi		« «	DT 28-FEB-2003 (Rel. 41, Created) DT 28-FEB-2003 (Rel. 41, Last sequence update) DT 28-FEB-2033 (Rel. 41, Last annotation update) DE Cardioactive peptides Ocp-1/Ocp-2.	; Coleoidea; Neoroleoidea; podidae; Octopus.	ND CHARACTERIZATION.	brain of a Japanese octopus,	Tractogus minit. 7 Peptides 21:623-630(2000). C -: FUNCTION: Cardioactive; has both positive chronotropic and contropic effects on the heart. Ocp-2 is a 1600 time less contine than heart.	אורת!א	188. On OROSA)	DR 1: Lonath 4: . 3e+05: nos 1: Inde:s 0: Gaps 6:			CHITH UXA4_CHLTR STANDARD: PRT; S AA. UXA4_CHLTR STANDARD: PRT; S AA. UXA4_CHLTR STANDARD: PRT S AA. D1-OCT-1994 (Rel. 30, Created) U1-OCT-1994 (Rel. 30, Last sequence update) U1-OCT-1994 (Rel. 39, Last annotation update) UNAN-DOOG (Rel. 39, Last annotation update) UNAN-DOOG (Rel. 39, Last annotation update) UNAN-LOOG (Rel. 39, Last annotation update) UNAN-LOOG (Rel. 39, Last annotation update) UNAN-LOOG (Rel. 39, Last annotation update) UNBLITAXID=813: U1 SEQUENCE. SEQUENCE. SEQUENCE. SEQUENCE. SEQUENCE. SEQUENCE. Sequencia. Sequenc
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		STANDARD;	(Rel. 41, Crea (Rel. 41, Last (Rel. 41, Last peptides Ocp-	r (Octopus). stazoa: Mollus es; Octopoda: 9766;	NIHESIS, MASS	5815; PubMed*1 Hisada M., M: e peptides iso	523-630(2000). 523-630(2000). Cardioactive c effects on t	DELIULAR LOCATION: Secreted. COD-2 has L-Phe instead of SPECIROMETRY: MM-395.2; NET	mino acid. 2 2 AA; 394 MW;	42.9% imilarity 75.0%; . Conservative	₹ -	D 4	CHITR UXA4_CHLTR SIANDARD; 91-0CT-1994 (Rei. 30, Crea 51-0CT-1994 (Rei. 30, Last 30-MAY-2006 (Rei. 39, Last 30-MAY-2006 (Rei. 39, Last Chanown protein from 2D-pai Chlamydia trachomatis. Bacteria; Chlamydiae; Chlai NCBL_TaxID=813; 11] SEQUENCE. STRIN-L2444/Bu; Bini L., Santucci A., Magi Comanducci M., Christianen Pallini V.;
		I.T. 1 _OCTM: OCF:_OCTMI PS8649:	28-FEB-2003 28-FEB-2003 28-FEB-2003 Cardioactive	Octopus minor Eukaryota; Me Octopodiforme NCBI_TaxID=89	SEQUENCE, SYN	MEDLINE-20336 Iwakoshi E., "Cardicactive	Octopus minos Peptides 21:0 -!- FUNCTION	-!- SUBCELLUI -!- PTM: OCP -!- MASS SPEC	Hormone: Dram MOD_RES SEQUENCE 4	Query Match Best Local Simi Katches 3, c	1 GRGD 4	1 GFGD 4	
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FUNCTION: ACTIVALES THE EXPRESSION OF THE TRPBA GENES ENCODING
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Grohmann L., Graack B.-R., Kruft V., Choll T., Goldschmidt-Reisin S.,
Kitakawa M.;
                                                                                                            Caps
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Submitted (SEP-1994) to the SWISS-PROT data bank.
-!- MISCELLANEOUS: ON THE 2D-GEL THE DETERMINED PT OF THIS UNKNOWN PROTEIN IS: 4.5, ITS MM IS: 28 KDa.
Siena-2DPAGE: P38005;
NON_TER
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                                                                                                                                                                                                                                                                                              Saccharomyces cerevisiae (Baker's yeast).
Eukaryota: Funqi: Ascomyrota: Saccharomyrotina: Sacrhatomyretes:
Saccharomycetales: Saccharomycetaceac; Saccharomyces.
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*DNA sequence of the tryptophan synthase genes of Pseudomonas
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01-30N-1994 (Rel. 29, Last sequence update)
01-30N-1994 (Rel. 29, Last acnotation update)
Mitochondrial 60S ribosomal protein Li (Ymil) (Fragmen').
                                                                                  37.1%; Score 13; Ds is Longth S; 66.7%; Pred. No. 1.3e-05; cive 1; Mismatches 0; tudels
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                                                  NON_TER 5 5 SEQUENCE 5 AA; 474 KW; 75BAA865AA800000 CRC54;
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01-JUN-1994 (Rel. 29, Last Sequence update)
01-FEH-1995 (Rel. 31, Last annotation update)
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MEDLINE-89335826: PubMed+2503057;
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NCBI_TaxID=303;
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Biochimie 71:521-531(1989)
                                                                                  0uery Match
Best Local Similarity 66.7
Matches 2: Conservative
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P36515;
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This SWISS-PROT entry is copyright. It is produced through a collaboration between the SWISS Institute of bicinformatics and the FMBL custation. The European Bicinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not recoved. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch.
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THE TWO TRYPTOPHAN SYNTHASE SUBCNIIS. IN THE ARSENCE OF THE INDUCER (INDUCASLYCEROL PROSPINED). THEY IS INDS UPSTREAM OF THE IRPAB OPERON, OVERLAPPING ITS OWN PROMOTER REGION. SIMILARITY: BELONGS TO THE LYSE FAMILY OF TRANSCRIPTIONAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Morrick B.A., Patterson R.M., Wichter L.L., He C., Solkirk J.K.; Morrick B.A., Patterson R.M., Wichter L.L., He C., Solkirk J.K.; "Separation and sequencing of familiar and novel musine proteins using preparative two-dimensional gel electrophoresis."; Electrophoresis 15:735-745(1994).

*! MISCELLANEOUS: ON THE 2D-GEL THE DETERMINED PI OF THIS UNKNOWN PROPERTY S. 6.6, ITS MW IS: 19 KDa.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Eukaryota, Metazoa: Chordata, Craniata: Vertebrata: Eutaleosicmi;
Mammalia; Eutheria: Rodentia: Sciurognathi: Muridae; Musicae: Mus
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PROSTE: PS00044; HTH_LYSR_FAMILY; FARTIAL.
Tryptoplan biosynthesis; Transcription tegalation; Activator;
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01-OCT-1994 (Rel. 30, Last sequence update)
11-FBE-1995 (Rel. 31, Last animotation update)
Unknown protein from 2D-page of fibrobiasts (P19) (Fraument).
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56.7%; Pred, No. J Reffs; Indels
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01-JUN-1994 (Rel. 29, Last sequence update)
15-JUL-1998 (Rel. 36, Last annotation update)
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                                                                                                                                                                                                                                                                                                                                                                                                          EMBL: X13299; CAA31660.1;
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Best Local Similarity 190.
Matches 2: Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mus musculus (Mouse).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Cucry Match
Best Local Similarity
2, Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE.
TISSUE-Fibroblast;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NCBI_TaxID-10090;
                                                                                                                     REGULATORS
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active tham Ocp-3.
                                                                                                                                                                    Owery Match
Best Local Similarity
Matches 2; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Escherichia coli.
                                                                                                                                                                                                                                                         1 GRGD 4
                                                                                                                                                                                                                                                                                                  1 GSWD 4
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01-JAN-1990
15-DEC-1998
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P13736;
                                                                                                                                                                                                                                                                                                                                                                                       TRM3_ECOLI
ID TRM3_ECOLI
AC P13973;
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CIPL_MYTED
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Iwakoshi E., Hisada M., Minakata H.,
"Cardioactive peptides isolated from the brain of a Japanese octopus,
                                                                                                                                                                                                                                                                                                                                                                STRAIN-Ferussac; TISSUB-Heart arrium; MBDLINE-9154865; PubMed-167566; Pubmed-167566; Pubmed-167566; Pubmed-177566; Pubmed-1. V. Kubota I., Vasuda-Kamata.; Y., Minakata H., Numoto K., Yoshida M., Harada A., Muneoka Y., Kobayashi M.; Purrification of edutin: Irom the arria of the African giant snoil, Achatina fulica, and its possible function."; Biophys. Res. Commun. 177:847-853(1991).
                                           Pudmonata: Stylommatophora:
                                                                                                                                              STRAIN-Ferussac; FISSUF-Ganqidon; MBDLINE-89273551: PubMed-2597281; Kamatani Y., Minakata H., Kenny P.T.M., Lwashita T., Watanahe K., Kunase K., Sun N.P., Yongairi A., Kim K.H., Nowales-Li P., Novales E.T., Kanapi C.G., Takeuchi H., Nomoto K.; Andapin C.G., Takeuchi H., Nomoto K.; Andapin C.G., Takeuchi H., Nomoto K.; Andapin C.G., Takeuchi H., Nomoto K.; B., Marina Ferussac containing a Dramino acid residue; Biophys. Res. Commun. 160:1015-1020(1989).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Octopus minor (Octopus).
Eukaryota: Metazoa: Mollusca: Ceppalopoda: Colecidea: Neoceseoidea:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MEDLINE=93014529; PubMed-1399265;
Ishida T., In Y., Doi M., Inoue M., Yasuda-Kamatani Y., Minakata
Iwashita T., Nomoto K.;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Octopus minor.";
Peptides 21:623-630(2000).
-!- FUNCTION: Cardinactive; has both positive chronotropic and inotropic effects on the heart. Ocp-4 is a 1000 time less
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE, SYNTHESIS, MASS SPECTROMETRY, AND CHARACTERIZATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Octopodiformes, Octopoda, Incirrata; Octopodidae: Octopus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               25.7%; Score 9; DB 3; Length 4; 50.0%; Pred, No. 1.3e+05; Live 0; Nismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2 2 D-PHENYLALANINE.
4 AA) 408 MW: 6AADD9G81C000000 CRC64;
                  Acharina fulica (Giant Arrican snail)
Bukaryota: Menazoa, Mollussa; Gastropoda: Pulmon
Sigmirethra: Acharinoidea: Acharinidae: Acharina
NCBI_TaxiD-6530;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Last sequence update;
Last annotation update;
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SEQUENCE, CHARACTERIZATION, AND SYNTHESIS.
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28-FEB-2003 (Rel. 41, Last sequend
28-FEB-2003 (Rel. 41, Last annotat.
Cardioactive peptides Ocp-3/Ocp-4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Hormone, Dramino acid.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
Matches 2; Conserv
                                                                                                                                                                                                                                                                                                                                                CHARACTERIZATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 GROD 4
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TISSUE-Brain;
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P58649;
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This SWISS-PROT courty is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics institute. There are no restrictions on its mase by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial cutilies requires a license agreement (See http://www.isb-sib.ch/announce.or send an email to license@lsb-sib.ch.)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MEDIAGE-88227859; PubMed-2836369; Inamoto S., Yoshioka Y., Ontsubo E.; Indentification and characterization of the products from the trajund tray genes of plasmid R100.*

1. Bacteriol. 170:2749-2757(1988).

1. FUNCTION: TRANSER GENE PROTE.N. IS INVOLVED IN THE CONJUGATION PROCESS OF BACTERIAL GELIS FOR THE EXCHANGE OF PLASMID DNA.

1. SUMCEDIULAR LOCATION: CYCOPIARMIC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Plasmid IncFil R100.
Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteria;es;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                6
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O
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1.30+65;
Thes 2: Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 22.9%; Score 8; DB 1; Length 5; 33.3%; Pred: No. 1.30-05;
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                                                                                                                         D-SERINE (IN OCP-4)
6AB365B810000000 CR064;
-1- SÜBCELLGLAR LÖCATION: Secreted.
-1- FTM: Ocp-4 has D-Sex instead of L-Ser.
-2- AMSS SPECTROMETR: MW-195.2: METHOS-MALID:
HOTGORE, D-amino acid.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (Rel. 13, Created)
(Rel. 13, Last sequence update)
(Rel. 37, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          01-JAN-1990 (Rel. 13, Created)
01-JAN-1990 (Rel. 13, Last sequence update)
28-FEB-2003 (Rel. 41, Last annotation update)
Tram protein (Fragment).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        5 AA.
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                                                                                                                                                                                                                                                                        0; Mismatches
                                                                                                                                                                                                             Score 9;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         EMBL: M20941; -; NOT_ANNOIATED_DES.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PIR; A32014; A32014.
Cocjugation; Plasmid: DNA binding.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Enterobacteriaceae, Escherichia.
NCBI_TaxID=562;
                                                                                                                                                                                                             25.7%;
50.0%;
                                                                                                                         MOD_RES 2 2
SEQUENCE 4 AA; 463 MW;
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                                                                                                                                                                                                                                                                            2; Conservative
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P19916;
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      THE STATE OF THE S
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                                                                                                                                                                                                            TISSUE-Pedal ganglion;
MEDLINE-88246357; PubMed +3377776;
Hirata I., Kubota I., Iwasawa N., Takabatake I., Ikeda T., Muneuka Y.;
*Structures and actions of Myfflus inhibitory peptides.";
Blochem, Blophys, Res. Commun. 152.1376-1382(1988).
-i. FUNCTION: INHIBITORY ACTION ON CONTRACTIONS IN SEVERAL MOLLUSCAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              the primary structure of the hypothalamic thyroid releasing factor of owine origin by means of mass
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SPECIES=Pig;
MEDLINE=70039904; PubMcd=4982117;
Boler J., Enzmann F., Folkers K., Bowers C.Y., Schally A.V.,
"The identity of chemical and hormonal properties of the thyrotropi:: releasing hormone and pyroglutamyl-histidyl-proline amide.";
Biochem. Biophys. Res. Commun. 37:705-710(1969).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
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Bombina oriestalis (Oriental fire-beilled toad), and
Notophthalmus viridescens (Fastern newt) (Triturus viridescens).
Bikaryor Metazca; Chordata: Craniata; Vortebrata; Eiteleostoni:
Mammalia: Futheria: Cetartiodacryla; Suina; Suidac; Sus.
NCBL_TaxiD=9823, 9940, 8346, 8316;
                            Mytilus edulis (Blue mussel).
Eukaryota, Netazoa: Mollusca: Blyalvia: Pteriomorphia: Mytiloida:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             P0115;
21-JUL-1986 (Rel. 0). Created)
21-JUL-1986 (Rel. 0). Last srquence update)
28-FEB-2003 (Rel. 4). Last ancotation update)
Thyroliberin (Thyrotropia releasing hormone) (TRH) (Protitelin).
Sus scrofa (Pig).
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SPECIES-Sheep; TISSUE-Hypothalamus:
Desiderio D.M. Jr., Burgus R., Dung T.F., Vale W., Guillemin R.,
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SPECIES-Sheep;
MEDLINE-70163386; PubMed-4985794;
Burgus R., Dunn T.F., Desiderio D.M., Ward D.N., Vale W.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 8: DB 1: Length 6:
Pred: No. 1.3e+05;
1: Mismatches 0: Indels
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Nair R.M.G., Barrett J.F., Bowers C.Y., Schally A.V.
"Structure of porcine thyrotropin releasing hormone."
Blochemistry 9:103-1108(1970).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   6 AA; 637 MW; 72C9C68775B81000 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          3 AA.
   Contraction-inhibiting peptide I (MIP I)
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                                                                                         Mytiloidea, Mytilidae, Mytilus.
NCBI_TaxID=6550;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          22.9%;
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PIR, A27696; A27696.
Hormone, Amidation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 22.9 Best Local Similarity 50.3 Matches 1; Conservative
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"The elucidation of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 stimulating hormone
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                                                                                                                                                                                   SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE
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acceptor.
-!- COFACTOR: Molybdenum (molybdepterin).
-!- SUBUNIT: CONSISTS OF THREE POLYPEPTIDE CHAINS: LARGE, MEDIUM, AND
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
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Arch. Microbiol, 152:135-341 (1989).

-1- FUNCTION: Catalyzes the oxidation of carbon monoxide to carbon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             viridescens) brain in vitro. Isciation and characterization of thyrotropin releasing factor.";
5. Neurochem. 23:471-478(1974).
-:- FUNCTION: THE FUNCTIONS AS A REGULATOR OF THE BIOSYNTHESIS OF IN THE ANTERIOR PITLYTARY GIAND AND AS A NEUROTRANSMITTER/ NEUROMODULATOR IN THE CENTRAL AND PERIPHERAL NERVOUS SYSTEMS.
                                                                                                                                                                                                                                                                                                                                                                           SPECIES-N viridescens:
MEDLING-1505605, PubMed-4214528,
Grimm-Joergensen Y., McKelvy J.F.;
"Bicsynthesis of thyrotropin releasing factor by new: (Triturys
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              -!- CATALYTIC ACTIVITY: CO + H(2)0 + acceptor = CO(2) + reduced
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ö
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Bradyrhizobiaceae.
NCBI_TaxTD-290;
                                                                                                                                                                                   MEDIJNE=76138399; PubMed-8i5011;
Yasubara T., Nakajima T.;
*Letter: Occurrence of Pyr-His-Pro-NH2 i:: the frog skin.";
Chem. Pharm. Bull. 23:3301-3303(1975).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  58 1; ben.
Mo. 1; Merily,
Ur. Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Amidation: Pyrrolidone carboxylic acid.
MCD_RES 1 1 PYRROLIDONE CARFOXELIC ACID.
MCD_RES 3 3 AMIDATION.
Characterization of ovine hypothalamic hypophysictropic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              01-FEB-1991 (Rel. 17, Created)
01-FEB-1991 (Rel. 17, Last sequence update)
28-FEB-2003 (Rel. 41, Last annotation update)
Carbon mcnoxide dehydrogenase large chain (EC 1.2.99.2)
dehydrogenase subunit L) (CC-DH L) (Fragment).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     3 AA; 380 MW; 7761F6B00000000 CR064;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       4 AA; 441 MW; 7761E876F000000 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             4 A.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            20.0%; Score 7; 58 5;
160.0%; Pred. No. 158
190. 0: Mismatches
                                                                                                                            SECJENCE.
SPECIES-B.orientalis; TISSUE-Skin;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MEDI,INE-90055678; PubMed-2818128;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Pseudomonas carboxydohydrogena.
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Matches 1; Conservative 0
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NON_TER 4 4
SEQUENCE 4 AA; 441 MW;
                                   TSH-releasing factor.":
Nature 226:321-325(1970).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PIR, A90919, RHIDTO.
PIR, A92971, A92971.
PIR, A93750, RHSHT.
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-i- MISCELLANBOUS: AN TGG (CALLED LEGCOKININ) BINDS REVERSIBLY TO THE CELL MEMBRANE OF NEUTROPHILS IN THE BLOOD. LEUCOKININASE ON THE MEMBRANE RELEASHS THE ACTIVE PEPTING TUEFSIN FROM THE GAMMA CHAIN. THE NEUTRIN IS ESSENTIAL FOR MAXIMUM SIIMULATION OF THE FHAGOCYPIC ACTIVITY OF MEDITION SIIMULATION OF THE FHAGOCYPIC PIR: AQ2147; A02147.
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032
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              01-APR-1993 (Rcl. 25, Created)
01-FEB-1994 (Rel. 28, Last sequence update)
08-FEB-2003 (Rcl. 41, Last annotation epidate)
Bradykinin-potentiating peptide S5,2 (SA) (Angiotensin-converting
enzyme inhibitor).
                                                                                                                                                                                                                                                                                                                                                                                                     MEDLINE=72187087; PubMed-4112769; Nishicka K., Constantopoulos A., Satch P.S., Najjar V.A.: Nishicka K., Constantopoulos A., Satch P.S., Najjar V.A.: The characteristics, isolation and synthesis of the phagocytosis stimulating poptide tutisin." Biochem. Biophys. Res. Commun. 47:172-179(1972).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Bothrops insularis (Island Jararaca) (Osetmada jararaca).
Eukaryota, Metazoa: Chordata, Craniata, Vertebrata, Butelcostomi;
Lepidosauria: Squamata; Scleroglossa; Serpentes; Colubroidea;
Viperidae: Crotalinae; Bothrops.
                                                                                                                                                                                                                                                                                                                     Eukaryota: Metazoa: Chordata: Craniata; Vertebrata; Esteleostoni:
Mammalia: Eutheria: Primates: Catarrhini: Hominidae: Home.
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                                                   indels
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                 DS 1, Length 4; 1, 1, 3e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         00; 00:0003825; Frantigen binding activity; NAS.

90; GO:0008589; Prehagocytosis; NAS.

SEQUENCE 4 AA; 501 MW; 741763210000000 GR054;
                                                   ::
                                                                                                                                                                                                                                  21-JUL-1986 (Rel. 01, Created)
21-JUL-1986 (Rel. 01, Last sequence update)
16-OCT-2001 (Rel. 40, Last annotation update)
Phagocytosis-stimulating peptide (Tuftsin).
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                            10.0%, Prod. m...
                 20.0%; Score 7; 1
100.0%; Pred. No.
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Query Match
Best Local Similarity 160.5
Fra 1: Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1: Conservative
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                                                                                                                                                                                                      STANDARD;
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IMMUNOGLOBULIN CLASS.
                                                                                                                                                                                                                                                                                                       Homo sapiens (Human)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
Matches 1; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NCBI_TaxID=8723;
                                                                                                                                                                                                                                                                                                                                                     NCBI_TaxID=9506;
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                                                                                                                                                                                                  TUFT_HUMAN
P01858;
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BPP7_BOTIN
                                                                                                                                                                                    TUFT_HUMAN
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            Cintra A.C.O. Vietness, 252010 J.R.;
Cintra A.C.O. Vietness, 25210 J.R.;
Primary structure and biological activity of bradykichn potentiating peptides from Bothrops insularis snake vence.
J. Protein Chem. 9121-227(1995).

--- FUNCTION: This peptide both inhibits the activity of the and othershic-converting enzyme and enhances the action of bradykinin by inhibiting the kinases that that twere it.

It acts as an indirect hypotensive agent.
PUR, 637196; 637196.

MOD_RES.

MOD_RES.
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Pardaxin II (PXII) (Fragment).
Pardachirus marmoratus (Red sea moses solo).
Eukaryota, Metazoa: Chordata, Craniata; Vertebrata; Euteleostomi;
Actinopterygii, Meoplerygii, Teleostof: Enteleosto; Necteleostel:
Acanthomorpha, Acanthopterygii, Percomorpha; Pleuromoctiformes;
Soleoidei: Soleidae; Pardachirus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            IISSUE-Skin secretion; wallace J.C.; Aablace J.C.; abbitz P.A., Bowle J.H., Tyler M.J., Wallace J.C.; arbetides from the skin qlands of the Australian buzzley tree frog Litori electrica. Comparison with the skin peptides from Litoria
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Litoria rubella (Desert tree frog).
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Butelcostomi,
Amphibia; Batrachia, Anura, Neobatrachia, Rufoucidea, Hylidae,
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SEGUENCE 5 AA: 629 MW; 776DC17326BOGUOO CRC64:
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SEQUENCE 5 AA; 630 MW; 669761F2C9A00000 CKC64;
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Pred. No 1.36+05;
0; Mismatches ()
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30-WAY-2000 (Rel. 39, Last sequence update)
28-FEB-2003 (Rel. 41, Last annotation update)
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28-FEB-2003 (Rel. 41, Last sequence update)
15-SEP-2003 (Rel. 42, Last annotation update)
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-!- SUBCELULAR LOCATION: Secreted.
-!- TISSUE SPECIFICITY: Skin.
Amphibian defense peptide; Aridation.
Amp. RES. 5 AMIODATO
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106.0%; Pre
MEDILINE-90351557; PubMed-2386615:
                                                                                                                                                                                                                                                                                                                                                                                          Chory Match
Best Local Similarity love.
Hest Local Is Conservative
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Matches 1; Conserv
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RIO3_LITRU
ID EIO3_LITRU
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P81864;
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RN [1]

RESUBERATION SECRETION;

RX LAZAUGASIN SECRETION;

RX LAZAROVICI P., Frimor N., Loew L.M.;

RY PULITIONAL ON THE PROPERTY OF TWO Hydrophobics

RY POLYMETERS OF THE SECRETION OF TWO Hydrophobics

RT POLYMETERS OF THE SECRETION OF TWO Hydrophobics

RT Marmoratus)...;

DIOJ. Chem. 261:16704-16713(1986)...

CC -1. FUNCTION: Exhibits unusual Shark repellent and surfactur.

CC -1. FUNCTION: Exhibits unusual Shark repellent and surfactur.

CC -1. FUNCTION: Exhibits unusual Shark repellent and surfactur.

CC -1. FUNCTION: Exhibits unusual Shark repellent and surfactur.

CC -1. FUNCTION: Exhibits unusual Shark repellent and surfactur.

CC -1. FUNCTION: Exhibits unusual Shark repellent and surfactur.

CC -1. FUNCTION: Exhibits unusual Shark repellent and surfactur.

CC -1. SUBGNIT: Monomor. Un aqueous solution exists as a tetramer.

CC -1. SUBGNIT: Monomor. Un aqueous solution exists as a tetramer.

CC -1. SUBGNIT: Monomor. THE PARDAXIN FAMILY.

FT NOW_TER 5

SEQUENCE 5 AA: 614 MM; 7769CGGCGB10UCUC CRC64:
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Search completed: September 16, 2007, 18:19:8) Job time : 12 secs

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us-09-780-612a-1.lim.rspt

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OM protein - protein seatch, using sw model

Run on:

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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Eutelecstomi:
Archosauria, Aves, Neognathae, Galliformes: Phasianidae, Phasianidae,
Gallus,
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Dockray G.J., Reeve J.R. Jr., Shively J., Sayton R.J., Barnard C.S.:
"A novel active pentageptide from chicken train identified by actibodies to PMREamide.";
Bature 305:328-3380(1988).
-i- PUNCTION: MAY FUNCTION AS A NEGROTHANSMITTER OF MCHIDIATOR.
-i- SIMILARITY: BELONGS TO THE FARP (FMRFAMILE RELAIBD PERTIDE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Spinacia oleracea (Spinach).

Bukaryota, Viridiplantae: Streptophyta; Embryophyta: Tracheophyta: Spermatophyta; Magnoliophyta; edicotyledons; core eudicots; cartyophyllidae; Caryophyllidae; Caryophyllidae; Caryophyllidae; Caryophyllidae; Caryophyllidae; Spinacia.
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                                                                   Bacillus cereus.
Bacteria, Firmicutes, Bacillalos, Macillacede, Bacillus.
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01-30N-2000 (TrEMBLrel, 14, Last Sequence ::pdate)
01-MAR-2002 (TrEMBLrel, 26, last ansotation update)
Chloroplast 50S ribosomal protein L10 beta (Fragment).
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Created)
Last sequence update)
Last annotation update)
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SEQUENCE 5 AA; 645 MW; 6954074767400600 CRC64;
                                                                                                                                                                                                                           SEQUENCE 5 AA; 623 MW; 6801AAA346F00006 CRC64;
                                                                                                                                                   STRAIN-NCIMB 11796;
Browne N., Dowds B.C.A.;
Submitted (JUL-2001) to the SWISS-PROT data bank,
NOW_TER 5
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Pred. No. 8.3e+65;
0; Mismatches 0;
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100.0%; Pre
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01-0CT-2001 (TrEMBLrel, 19,
01-0CT-2001 (TrEMBLrel, 19,
88 kDa protein (Fragment).
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Best Local Similarity 106.
Matches 2; Conservative
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Bost Local Similarity
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882182 spinacia ol
60843 rattus sp.
29867 hordoum vn.
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P83478 cailus sel)
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                                                                                                                   September 15, 2003, 18;78;79; Search time 32 Seconds (Without alignments) 48:385 Million cell updates/sec
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sp_vertebrate:* sp_unclassified:*

sp_bactertap:*

sp_archeap:* *:SELIAI ds

sp_human:*
sp_invertebrate:*
sp_mammai:*

sp_ordanelie:* sp_phage:* sp_plant:*
sp_rodent:*
sp_virus:*

sp_mtc:*

sp_archea:*
sp_bacteria:*
sp_fungi:*

SPTREMBL_23:*

Post-processing: Minimum Match 0% Maximum Match 160% Listing lirst 45 summaries

Minimum DB seq length: 0 Maximum DB seq length: 6

BLOSUM62 Gapop 10.0 , Gapext 0.5

Scoring table:

Searched:

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Title: Perfect score:

Sequence:

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Gaps

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Match Length DB

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P82541 P82541 P82162 Q68433 Q99007

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P83073 P83073; RESULT 1 P83073 ID P8307 7

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"Genetic defect of bilirubin UDP-glucuronosyltransferase in the
hyperbilirubinemic Gunn rat.":
Blochem Biophys. Res. Commun. 177:i161-i164{i991}.
Transferase.
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                                                                                                                                                                           01-JUN-2000 (TrEMBLrel. 14, Created)
01-JUN-2000 (TrEMBLrel. 14, Last sequence update)
01-MAR-2002 (TrEMBLrel. 20, Last annetation update)
5-Chloropiast 50S ribosomal protein L10 gamma (Fragment).
Spinacia oleracea (Spinach).
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01-NOV-1996 (TrEMBLrel. 01, Last sequence update)
01-WAR-2003 (TrEMBLrel. 23, Last annotation update)
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DS Advises (Fragment).

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SO Endaryota: Viridiplantae; Sireptophyta: Embryophyta: Trachcophyta: Cydamatophya: Magnollophyta: Liliopsida; Poales: Pooreae; Pooldcae: Cyfrideach; Hordeum.

NCBI_TaxTD-4513:

RN 1:

RN MEDLINE-913-9704; PubMed-1831055;

R MEDLINE-913-9704; PubMed-1831055;

R Jacobsen J.V.. Close T.J.:

RT Advoors of transient expression of chimaeric denes by qibberellic acid and abscisic acid in protoplasts prepared from mature bareley a alcurone layers::

RE Plant Mol. Biol. 16:713-721(1991).

R BBDL: X54643; CAA38455.1: -:

S SEQUENCE 5 AA: 600 MM: 6183344DD6F30000 CRC64;
                                           Side()
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S.7%; Scale 2: 48-11; Longth 4;

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Tissue repair: peritoneum: suryery, post-surgically, inhibition:
platelet aggregation; cardiovascular: orthopedir: thoracie;
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26-AUC-1993
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Prevention of adhesion formation, partic. post-surgically - comprises

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Title: Perfect score: Sequence:

CM protein

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Platelet aggregati Platelet aggregati Platelet aggregati Plutelet aggregati

Integrin-binding

Platelet.

aggregati

Cell adhesion

Homan intracellula H. influenzae BASB H. influenzae BASB Hacmophilus influe Hacmophilus influe

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Anti-thrombotic cy

Anti-thrombotic

administering a RGD-conty, peptide for a time sufficient to permit

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100.0%;

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preventing addression formation, partie, in the peritoneum following surgery, but also for e.g. cardiovascular, orthopodic, incredic, ophthalmic, CNS and other uses. In addn., the peptide inhibits platelet aggregation and does not induce inflammation or trauma
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PH-20; PH-30; contraceptive; fertilisation; sperm surface protein;
                                                                                 The sequence is that of an RGD-contg, peptide which is used in a method for prevention of adhesion formation for a time sufficient to permit tissue repair. The method is used for minimising or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 7 describes the use of PH-10 beta distribution peptides as inhibitors of sperm fusion to egg plasma membrane. Modified peptides AAR47382-83 and control peptides (AAR47384-85) were tested. From Observations it was concluded that the PH-30 beta disintegrin domain represents an epitope which
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Contraceptive vaccine for reducing sperm-equ fusion - comprises peptide from sperm surface protein which stimulates antibody
                                                                                                                                                                                                                                                                                                                                                                 100.0%; Score 35; DH 14;
100.0%; Pred. No. 9.3e+95;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        is critical in sperm-egg fusion. (Updated on 25-MAR-2003 to correct PN field.)
                                                                                                                                                                                                                                                 at the site of administration. (Updated on 25-MAR-2003 to correct PN field.)
                                                                                                                                                                                                                                                                                                                                                                                                               Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           160.0%; Score 35;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PH-30 beta disintegrin control peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Example 7; Page 27; 79pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAR47384 standard: Protein; 5 AA
                                        Example, Page 18: 22pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                               0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      93WO-US05640.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 9208-0897883.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (updated)
(first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     vaccine, sperm-egg fusion.
                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 103.0
Sches 6: Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (UYCO-) UNIV CONNECTICUT.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Primakoff P;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 1994-007200/01
                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 GRGDTF 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 3RGDTP 6
                                                                                                                                                                                                                                                                                                                      6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Rubella virus
tissue repair
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      10-JUN-1993;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 12-JUN-1992;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           W09325233-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           25-MAR-2003
22-JUN-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         23-DEC-1993.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Myles DG,
                                                                                                                                                                                                                                                                                                                         Sednence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAR47384;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 2
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DB 15; Length 6;

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                                                                                                                                                                                                                                                                                                         Tumbour invasion; extracellular matrix; ECM; metastasis; RGD sequence; cancer; inhibition; control.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Inhibiting tumour cell invasion through an extracellular matrix - using peptide contg. the RGD sequence, partic, for preventing tumour metastasis
               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
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               Indeas
                                                                                                                                                                                                                                                                                Synthetic, preferred tumour invasion-inhibitory peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; Score 35; DB 17;
; Pred. No. 9.3e+05;
0; Mismatches 0;
Pred. No. 9.5e+05;
Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (Updated on 25-MAR-2003 to correct PF field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Pierschbacher MD, Ruoslahti El;
               0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (LJOL-) LA JOLLA CANCER RES FOUND.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Claim 2; Column 7-8; 8pp; English.
                                                                                                                                                              AAW07430 standard; peptide; 6 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%;
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              850S-0554821.
850S-0744981.
880S-016653C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              88US-0242713.
91US-0660526.
91US-0683585.
91US-0773106.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 93US-0169743.
                                                                                                                                                                                                                                                 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The peptides are soluble.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
               6; Conservative
                                                                                                                                                                                                                                  (updated)
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Best Local Similarity
Matches 6; Conserv
Best Local Similarity
Matches 6; Conserv
                                              1 GRGDTP 6
                                                                 GRGDIP (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   5 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 GRGDTP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 GRGDTP
                                                                                                                                                                                                                                                                                                                                                                                                                                                               17-DEC-1993;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               17-JUN-1985;
10-MAR-1988;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                17-DEC-1993;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                .0-APR-1391;
08-007-1991;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    25-FEB-1991;
                                                                                                                                                                                                                                25-MAR-2003
                                                                                                                                                                                                                                                2. - JAN-1997
                                                                                                                                                                                                                                                                                                                                                                                                 CS5547936-A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 09-SEP-1988
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Schlsen KK,
                                                                                                                                                                                                                                                                                                                                                                  synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence
                                                                                                                                                                                                 AAW07430;
                                                                                                                                 RESULT 3
AAW07430
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     90
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RESULT 4 AAR94573 ä

Kistler

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This invention describes a movel method for the use and preparation of cell activating compositions which involves preparing a cell activation composition (a) homogenize it buffer at a bout neutral or higher pH to produce a homogenite; (b) removing particulates from the homogeniate; (c) optionally incubating the resulting homogeniate, with particulates removed, with a profuses and comparating the analysis of the production of the coll activation activity. The methods can be used for improving the cell activation activity. The methods can be used for improving activity. The methods can be used for improving activity. The methods can be used for improving activity of sease, inflammatory disease, trauma, autorimune diseases, arthritis, organ rejection, diabetes and diabetic complications, stroke, ischemia, Alzheimer's disease, myocardial infarction, hemorrhagic shock, diabetic retinopathy, diabetes, wenous insulficiency, unstable angina or trauma. They can be used in the veterinary treatment of a non-human subject. Protease inhibitors can be used to lower cell activation resulting from these diseases and deficiencies. The detection of an elevated level of hydrogen peroxide dismutase (SOD) indicates leukocyte up resence of superoxide dismutase (SOD) indicates leukocyte up regulation, e.g. indicative of the onset of an actite cardiovascular disorders, such as disease onset or ischemic complications. An elevated in the presence of SOD is indicative of a chronic of immine complements.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   condition e.g. hypertension or sepsis. AAY56201-Y50334 represent peptides used in the method of the invention.
                                                                                                                                                                                                                                                                                                                     Use of cell activating compositions in devaloping products for diagnosis and treatment of e.g. cardiovascular, inflammatory, autoimmune or Alzheimer's disease, trauma, arthritis, organ rejection,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Non-crosslinked protein particle: diaquostic; therapy; monodisperse; albumin; baemoglobin; nanometer; micrometer; clearance.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%, Score 35; DB 20; Lougth 6; 100.0%, Pred, No. 9: No-05; tive 6; Mismatches 0; Indels
                                                                                                                                                                                                                               Hadal TE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Non-crosslinked protein particle peptide 176.
                                                                                                                                                                                                                                                                                                                                                                                                                                           Example 9: Page 184: 184pp: English.
                                                                                                                                                                                                                               Schmid-Schonbelm GW,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAY31127 standard; peptide; 6 AA.
                                                                                                                                                                                                                                                                                                                                                                                             diabetes, stroke or ischemia -
                                                                                        9835-0036894.
                                             99WO-0S05247
                                                                                                                                   ACTIVATION INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (first entry)
                                                                                                                                 (GELL-) CELL ACTIVATION II
(REGC ) UNIV CALIFORNIA.
(SCR: ) SCRIPPS RES INST.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Bost Local Similarity
                                                                                                                                                                                                                                                                          WFI; 1999-580234/49.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 GRGDTP 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        6 AA;
                                                                                                                                                                                                                               Stoughton RB,
                                             11-MAR-1999;
                                                                                        11-MAR-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   21-0C1-1999
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAY31127;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 6
AAY31127
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               inflammatory discase; autoimmune diseases; arthritis; diabetes; stroke; organ rejection; ischemia; Alzabiter's disease; myorardia; infarction; haemorthagic shock; diabetic retinepathy; venous insufficiency; angina; trauma; protease inhibitor; hypertension; sepsis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Cell activation; pancreas; treatment; cardiovascular disease; trauma:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RGD peptides (AAR94570 and AAR94571), inhibitors of cell attachment type I collagon, inhibited attachment of chicken fibroblasts to cytocactin (see also AAR94547-48) by 73% and 70% respectively. Inhibition was total when the peptides were used together with 5522, a function-blocking monoclonal antibody against the beta-i interrin. This suggests that there are 2 integrin binding sites on cytotactin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sdpo ::
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Cytotactin polypeptide(s), derivs, and antibodies - capable of stimulating neuronal cell attachment, neurite out-growth and cell elongation
                                                                                                                                                                                                                            Cytotactic, neuron, neurite, cell attachment, cell elongation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Lengt: 6:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                :ndels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Neutrophil-activating panereatic derived peptide 114.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%; Score 35: DB 17:
100.0%; Pred, No. 9.3e-05:
ive 0; Mismatches 0:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Prieto AL:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Example 5: Page 81: 159pp: English.
                                        AAR94571 standard: Peptide: 6 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAY50314 standard: Peptide; 6 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   9408-0308359
                                                                                                                                                                                                                                                                                                                                                                                                                                      95WO-US11684
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              12-JAN-2000 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Crossin KL, Phillips G,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SCRI ) SCRIPPS RES INST
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 1996-179904/18.
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Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      .|||||
| GRCDIP 6
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 6 AA;
                                                                                                                                                                                                                                                                                                                                           WO9608513-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 16-SEP-1994;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WO9946367-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                      14-SEP-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Unidentified
                                                                                                                               21-JUN-1996
                                                                                                                                                                                                                                                                                                                                                                                      21-MAR-1996
                                                                                                                                                                            RGD peptide
                                                                                                                                                                                                                                                                                             Synthetic
                                                                                      AAR94571;
                                                                                                                                                                                                                                                    antibody
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Gaps

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RESULT 5 AAY50314

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96US-0747137.

12 -NOV-1996;

(HEMO-) HEMOSPHERE INC

WP1: 1999-508153/42

Yen RCK;

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This invention describes a novel aqueous suspension of monodisperso-
particles on non-crosslicked, non-denatured albumin (80-5000 nm) which
is stable against dissolving upon dilution with an alcohol-free aqueous
medium. The method involves (a) forming an aqueous solution containing
albumin and hemographs and (b) treating the aqueous solution with an
alcohol to cause the solution to become turbid. The particles are usern,
as agents for in vivo administration, either of their own administration
or as a vehicle for other ficerapetits or diagnostic aments. The method
permits the formation of albumin and hemoglobic particles in the
manometer and micrometer size range, in a form closer to ficit matural
form than the forms of the prior aft. The particles the total matural
a more closely controlled agent for in vivo administration, with greater
asse of centance from the body after their period of usefulness.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAX30952-Y31135 represent peptides used in the method of the investion.
                                                                                                                                                                                                                                                                                                                       Non-crosslinked protein particles for therapeutic and diagnostic use
                                                                                                                                                                                                                                                                                                                                                         Example 22; Column 123-124; 65pp; English.
                                                                                                       9408-0212546.
9108-0641720.
9208-0959560.
                                                                    9608-0747137
                                                                                                                                                        93US-0069831
96US-0747137
                                                                                                                                                                                                               (HEMO-) HEMOSPHERE INC
                                                                                                                                                                                                                                                                                    WPI; 1999-508153/42.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity
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                                                                                                      14 - MAR - 1994;
15 - JAN - 1991;
13 - OCT - 1992;
01 - JUN - 1993;
12 - NOV - 1996;
                                                                        12-NOV-1996;
US5945033-A
                                   31-AUG-1999
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                                                                                                                                                                                                                                                   Yen RCK;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches
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AAY31025
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100.0%; Score 45; CR 2G; Longth 6; 100.0%; Pred. No. 9.3e+05; Indels .: O 0: Mismatches 6, Conservative

Gans

Non-crosslinked protein particle peptide 74. AAY31025 standard; peptide: 6 AA. (first entry) 21-0CT-1999

Non-crosslinked protein particle; diagnostic, therapy, monodisperso, albumin; haemoglobin; nanometer; micrometer; dicarance.

Synthetic.

US5945033-A

96US-0747137. 12-NOV-1996; 31-AUG-1999

9108-0641720. 9208-0959560. 9308-0069831. 94CS-0212546 15-JAN-1991; 13-OCT-1992; 01-JUN-1993;

This invention describes a novel aqueous suspension of monodisperse particles on non-crosslinked, non-denatured albumin (55.5000 nm) which is stable against dissolving upon dilution with an alcohol-tree aqueous medium. The method involves (a) forming an aqueous solution containing albumin and hemoglobic and (b) treating the aqueous solution containing albumin and hemoglobic and (b) treating the aqueous solution with an alcohol to cause the solution to become turbid. The particles are useful as agents for in vivo administration, either of their own administration or as a vehicle for other therapeutic or diagnosic agents. The method permits the formation of albumin and hemoglobin particles in the formation of the prior art. The particles therefore constitute a more closely controlled agent text is a form closer to their natural ease of clearance from the hody after their period of usefulness.

AAY30952-Y31135 represent poptides used in the retined of the invention. Gaps ö 100.0%; Score 35; DB 26; Longth 6; 100.0%; Pred. No. 9.3e+05; indels ä 0; Mismatches Conservative Local Similarity es 6; Conserv 6 AA: Sequence COTY Matc: Best

Non-crosslinked protein particles for therapeutic and diagnostic use

Column 81-82; 65pp; English.

Example 22;

1 GRGDIP 6 GRGDTP 6 ें 23

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AAW84459 standard; Peptide; 6 AA. 25-MAR-1999 (first entry) RESULL 8 AAW84459

RGD peptide that stimulates cell invasion by S. pyonenes 90-226 Streptococcus pyogenes 90-226; pathogen; inhibition; cell adhesion; cell invasion; treatment; bacterial infection; fungal infection. Synthetic

W09856408-A2

17-DEC-1998.

98WO-US12019. 97US-0049124 (MINU) UNIV MINNESCTA Cue DR; .0-JUN-1998; 10-JUN-1997; Cleary PP,

Method for treating mammal infected by pathogenic microcrquism - comprises administering to mammal composition comprising inhibitory compound which inhibits adherence to or invasion of a cell by microcrquism. WPI; 1999-080856/07.

us-09-780-612a-1.rag

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Page

Example 2; Page 43; 88pp; English

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by a pathogenic microolganism which comprises administering an inhibitory compound to inhibit adherence to or invasion of nells by the pathogen, the method is used in the treatment of harteria.
                                                                                            stimulate cell invasion by Streptococcus pyogenes 90-226. The peptides were used in the course of the invention. The specification describes the treatment of a mammal intested
                                                              present sequence represents a RGD peptide that is able
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAB28163 standard; peptide: 6 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               09-FEB-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
The 6 Conserve
                                                                                                                                                                                                                                                                                     fungal infection
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 GRGDIP 6
                                                                                                                                                                                                                                                                                                                                                    6 AA.
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Length 6: indels

100.0%; Score 35; DB 20; 100.0%; Pred. No. 9.se+05; Mismarches

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Peptide #3 used to assay vitronectin receptor binding inhibition.

antiarthritic; ophthalmological, osteopathic; amido-carboxylic acid derivative; cancer: angiogenesis; neovascularisation; macular degeneration; qlaucoma; blindness rheumatoid arthritis; restenosis; viral infection; bone recorption; osteoporosis; ostcopenia; periodoutal disease; hyperparathyzoidism; Paget's disease; integrin vitronectin receptor; alpha_vbeta_1; melanoma. Antiviral; antiinilammatory; cytostatic; vasotropic; antirheuratic;

Unidentified

WO200061545-A1.

19-0CT-2000

9905-0291470 14-APR-1999;

13-APR-2000; 2000WO-US10027

(AMHP) AMERICAN HOME PROD CORP.

Gopalsamy A,

WPI; 2030-687029/67.

New amido-carboxylic acid derivatives are integrin inhibitors used t treating e.g. cancer, restenosis, osteoporosis, viral infection and bone disease

Disclosure: Page 17; 67pp; English.

tissues), osteoporosis, hypercalcaemia of maliquancy, osteopenia due to bone metastasis, periodontal disease, hyperparathyroidism, periarticular exosions in rhemmatoid arthritis, Paget's disease, immobilisation: indired osteopenia or qlucosorticoid treatment, or diseases characterised by some resorption of mineralised tissues. The present sequence is a peptide. blindness, rheumatoid arthritis, restenosis, smooth cell proliferation and migration, vascular endothelial cell proliferation and migration, viral infection (characterised by bone resorption of mineralised The present invention relates to amido-carboxylic acid derivatives, amido-carboxylic acid derivatives may be used for treating cancer, anglogenesis, neovascularisation, macular degeneration, glaucoma,

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               rate-determining step of extracellular matrix formation. The scalfold can be designed to have a predetermined resorption/degradation rate, and may include regulatory compounds for specific cell types.
    of the
                   anido-carboxy);c acid derivatives of the present invention to inhibit, integrin vitromectin receptor (alpha_bbeta_3) bidding. Integrin alpha_beta_3 has been shown to mediate the invasion of cancerous melanoma cells into healthy tissue and to protect these cells against apoptosis. In addition, vitromectin receptor antaromists have been shown to inhibit the growth of various solid tumours of homen origin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    System for reconstructing osseous tissue, useful e.g. for treating fractures, comprises scaffold containing promoter of bone iorration and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (I) induces migration and adhesion of esteeblasts and osteoclasts and (II) inhibits proteolysis (specifically by plasmin) of extracellular matinx. (I) is preferably selected from: solectin or selectin binding fragments, proteins and peptides that fucilitate cell adhesion, plasminogen activator inhibitors, protease inhibitors and metalloprotease inhibitors. The peptides AAY80466·Y80492 are claimed examples of cell adhesion peptides used in the system of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        fre system is used to replace, remodel or correct hone defects, e.g. fractures, fissures or bone mass loss. Incorporation of (1) into the scaffold results in rapid seeding by osteoblasts and the development of an organic matrix, i.e. the preformed scaffold replaces the
used as a reference compound in an assay for the ability of coxylic acid derivatives of the present invention to inhibit.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 invention relates to a novel system for reconstitution of osseous
                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Bone reqenerative: osteopathic: ossecus tissue: reconstitution; scaffold matrix; bone formation promoter; bone rescrption inhibitor; cell adhesion; osteoblast; osteoclast; bone defect; fracture.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     tissue comprising a scaffold carrying a compound (1) that promotes bone formation and a component that decreases bone resorption (II)
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                                                                                                                                                                                                           100.0%; Score (5: DB 21; Lough):
100.0%; Pred, No. 9.56405;
Eve. 6: Mismatches 0; indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (PHAR-) PHARMACAL BIOTECHNOLOGIES INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 14; Page 31; 44pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                              AAY80475 standard; peptide; 6 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                inhibitor of bone resorption
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             99WO-US16800.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Cell adhesion peptide #10.
                                                                                                                                                                                                                                 Best Local Similarity 106.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2000-195084/17.
                                                                                                                                                                                                                                                                                                1 GRGDIP 6
                                                                                                                                                                                                                                                                                                                                       1 GRGDIP 6
                                                                                                                                                                      6 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Budny JA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAY80475;
                                                                                                                                                                        Sequence
                                                                                                                                                                                                               Juery Match
                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 10
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The invention relates to experimental models for studying neurodegenerative diseases associated with amyloid accumulation. The activity of peptides of the invention may be described as neuroprotective and anti-Alzheimer's. They act by inhibiting amyloid accumulation. The experimental model may be used to study neurodegenerative diseases associated with amyloid accumulations, e.g. Alzheimer's disease and to identify potential therapeutic agents in treating these diseases. The current sequence represents an integrin mentionated populate of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Experimental models for studying neurodegenerative diseases associated with amyloid accumulation, useful for studying e.g. Alzheimer's disease and for identifying potential therapeutic agents -
                                                                                                                                                                                                                                                                                                                  Neurodegenerative disease: amyloid; neuroprotective; anti-Alzheimer's;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%; Score 35; Db 24;
100.0%; Pred. No. 9.3e-05;
ive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                        Alzheimer's disease; integrin; therapeutic agent.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Platelet aggregation inhibitor #92.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAW15667 standard; peptide; 9 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 15: Page 63; 80pp; English
                                                                                                                                                ABB80076 standard; peptide: 6 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gall CM;
                                                                                                                                                                                                                                                                            integrin modulator peptide #3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            25-SEP-2001; 2001WO-US29789.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       25-SEP-2000; 2000US-235374P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (updated)
(first entry)
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Rest Local Similarity 100.
Matches 6: Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Lysel 3. Xiaoning B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WFI: 2002-416420/44
1 GRGDTP 6
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                          WC200226107-A2.
                                                                                                                                                                                                                                                                                                                                                                                  Jnidentified
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                                                                                                                                                                                                                                  27-AUG-2002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAW15567;
                                                                                                                                                                                        ABB80076;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 13
AAW15667
                                                                                                                            ABB30076
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The present invention describes a modified therapeutic peptide [1] comprising a therapeutically active armon acid region [11] and a reactive group [11] (e.g. succinimidy) and maleimide groups) attached to a less therapeutically active amino acid region [1V). Which covaiently bonds with amino/hydroxyl/thiol groups on blood components to form a peptidase stabilised therapeutic peptide composed of 3.50 amino acids. It are useful for modifying therapeutic peptides e.g. hormones, growth factors and neurotransmitters, to protect them from peptidase activity in vivo for the treatment of various disorders. Endogenous their arealistic peptides are not suitable as drug candidates as they require frequent
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Modifying and attaching therapoutic peptides to albumin prevents peptidase degradation, useful for increasing length of 10 vivo activity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            administration due to rapid degradation by peptidases in the body. Modifying and attaching therapeutic peptides to albumin preverts or reduces the action of peptidases to increase length of activity (half life) and specificity as bonding to large molecules decreases
                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Saps
                                                                                                                                                                                                                                                                                                                                                                                                                      Protection; endogenous therapeutic peptide; peptidase; cocjugation; blood component; modification; succinimidy;; maleimido aroup; amino: hydroxyl; thiol: hormone; growth factor; neurotransmitter.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         intracellular uptake and interference with physiological processes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ं
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                                                                                                                                                                                                                                                                                                                                                                                Fibronectin fragment and fibrin related paptide SEQ ID NG:1148.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Holmes DL. Inibaudeau K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 6;
                      Separts 6:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         indels
                                                              :ndels
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ilarity 100.0%; Pred, No. 9.3e+05;
Conservative 0; Mismatches 0;
                 100.0%; Score 35; Ds 21;
100.0%; Pred. No. 9.3e-05;
                                                              Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          exemplification of the present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Disclosure: Page 571; 753pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Milner PG,
                                                                                                                                                                                                                                                      AAB91972 standard: Peptide: 6 AA.
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990S-0153406.
990S-0159783.
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                                                                                                                                                                                                                                                                                                                                          (first entry)
                                                              Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Bridon DP, Ezrin AM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (CONG-) CONCUCREM INC.
Query Match
Best Local Similarity
The 6, Conserve
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2001-112059/12
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Best Local Similarity
Matches 6; Conserv
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WO200059900-A2

23-NOV-2009.

17-MAY-1999;

10-SEP-1999; 15-OCT-1999;

Homo saplens

Synthetic.

22-JUN-2001

AAB91972;

RESULT 11 AAB9197. ö

Gaps

ن:

6 AA:

Sequence

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Platelet aggregation ichibitor; RGD analogue: cyclic peptides fibrinogen; hydropholically echanced analogue; blood platelet; ecoculelia surface: blood vessel; serum protein: GP TIVIII:a Hydroprotein complex; integrie: plasma membrane: thrombosis; cctl adhesion receptor; ritropectin: viscolar graft coclusion; therapy.
                                                                                                                                                                                                                                                          OTHER betairpentamethylene-betairereaptopropiedie
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAW15576-W15595 represent platelet aggregation inhibitors. All of these sequences are hydrophobically enhanced RGD poptide analogues. The interaction of blood plateLets with the endotherial surface of injured blood vessels and with other platelets (platelet aggregation) is a major factor in the course of development of thrombi. Thrombesis is a serious condition which can cause tissue damage and eventually death (if mirrated). Platelet aggregation is dependent upon the binding of fibrinogen and other serum protein to the GP ITE/IIIa alycoprotein complix on the platelet plasma membrane, ap ILE/IIIa alycoprotein integrin family of cell addesion receptors, which are known to recognise integrin family of cell addesion receptors, which are known to recognise
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  a RGD tripeptide recondition sequence. The peptides inhibit plate-e-aggregation without prolonging bleeding time. These sequences have high affinity for the lib/Illa receptor and low affinity for the lib/concerin and vitronectin receptors. The peptides are used as platelet aggregation inhibitors for treating thrombesis and vascular graft occlusion. (Updated on 25-WAR-2003 to correct PF field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sapp
                                                                                                                                                                                                                Zmote "forms peptide bond to create cyclic peptide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RGD-contg. peptide(s) that inhibit platelet aggregation - useful for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ..
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Pierschbacher MD;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 5; Column 75; 50pp; English
                                                                                                                                                                           Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LLOL-) LA JOLLA CANCER RES FOUND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Lukeman DS,
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900S-0506444.
930S-0050736.
940S-0204817.
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Matches 6, Conservative
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02-MAR-1994;
22-DEC-1994;
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06-APR-1990;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          fibromectin and vitromectin receptors. The peptides prevent inappropriate growth of vascular smooth muscie cells and arterial graft occiusion. The sequences shown in ABP61271-ABP61390 represent the cyclic peptides of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New cyclic peptides are human platelet aggregation receptor GPLIb/IIIa
binders used for treating thrombosis, stroke and vascular graft
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                                                                     circular; platelet aggregation; thrombosis; anticoagulant;
                                                                                  platelet aggregation receptor GPIIb/IIIza: thrombolyticy stroker
corebroprotective: immunosuppressive; vascular graff ecolusion
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mercaptopropionic acid"
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160.0%; Pred. No. 9.xe+05;
ive 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Disclosure: Column 75: 63pp: English.
                                                                                                                                                                       Location/Qualitiers
                                       Anti-thrombotic cyclic peptide #92
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94US-0204817.
94US-0363963.
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Microspheres for active embolisation comprising a cross linked hydrophilic polymer and a drug or vaccine are useful for site-directed therapy via the blood supply, particularly of tumours
                                   Embolisation therapy; andiogenic-dependant disease; cancer; drug delivery; vaccine; microsphere; precancerous; therapeutic lactor; integrin-binding; cytostatic.
                                                                                                                                                                                                                                                                                                                                                   Disclosure, Page 34: 73pp; English
                                                                                                                                                                                                                      (BIOS-) BIOSPHERE MEDICAL INC.
                                                                                                                                                                     23-MAR-2001; 2001WO-US09619.
                                                                                                                                                                                            24-MAR-2000; 2000US-191899P.
           Integris-binding peptide
                                                                                                                                                                                                                                               Vogel J, Boschetti E;
                                                                                                                                                                                                                                                                         WPI; 2002-034141/64.
                                                                                                                W0200172281-A2.
                                                                                         Unidentified
                                                                                                                                          04-0CI-2001.
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The invention relates to a microsphere suitable for active embolisation comprising a biocompatible, cross linked and substantially hydrophilism polymer and a drug or varefne, the activity of which may be described as cytostatic. Compositions and methods of the invention may be used in the treatment of angiocent-dependent liseases including cancer and precancerous disorders. The microspheres are used for site directed delivery of therapoutic drugs, polymerications or vacations, particularly for treatment of unmounts. The current sequence represents an increase binding peptide that may be used as a treasfection about to increase the efficiency of transfer of a bioactive therapeutic fauter into colise.

Sequence 9 AA;

100.0%; Scorr 35: 58.2%; Length 9: 100.0%; Pred. No. 9:86-05: ative 0: Mismatches 0: Indels 9; Indels Ouery Match 100. Best Local Similarity 100. Matches 6; Conservative

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Search completed: September 15, 2003. 18:35:41 Job time: 42 secs

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Copyright (c) 1395 - 2603 Compagen Ltd
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Listing first 45 summaries

    protein search, using sw mode

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APPLICANT DIZTREGA , GERE S
APPLICANT ROBGES , KATHLEEN E
APPLICANT COMPOSITIONS AND METHODS FOR PREVENTING
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR PREVENTING
TITLE OF INVENTION: A DUBESION FORMATION
NUMBER OF SEQUENCES . 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: ROBBINS, DALGARN, BERLINER & CARSON
STREET: ZOL NORTH FIGUEROA STREET, FIFTH FLOOR
CITY: LOS ANGELS
STATE: CALIFORNIA
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APPLICANT: GREG BLESCKER
APPLICANT: GREG BLESCKER
APPLICANT: DREW SMITH
APPLICANT: DREW SMITH
APPLICANT: GRAY KIRCGHENHEUTER
TITLE OF INVENTION: SYSTEMATIC EVCLUTION OF LIGANDS BY
TITLE OF INVENTION: EXPONENTIAL ENRICHMENT: BLENDED
TITLE OF INVENTION: BELEX
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER: IN PC compatible
OPERATING SYSTEM: PC COMPATIBLE
SOFTWARE: PACEDIA RELEASE #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NATA:
FILING DATE: 66-JAN-1994
CLASSIFICATION: 514
PRIOR APPLICATION WHEEK: US 77759,281
FILING DATE: NOVO-1991
ATTORNEY AGENT INFORMATION:
NAME: SPITALS. 10HN P
REGISTRATION NUMBER: 29,215
REPERENCE/DOCKET NUMBER: 29,215
REPERENCE/DOCKET NUMBER: 29,215
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 E: Beaton & Swanson, P.C.
4582 South Ulster Street Parkway, #463
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           . Sequence 1, Application US/08234997
    Patent No. 5681867
. GENERAL INFORMATION:
                                                                                                                      Sequence 7, Application US/UE178482
Patent No. 5629294
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEPHONE: (213) 977-1001
TELEFAX: (213) 977-1903
INFORMATION FOR SEQ 1D NO: 7:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE CHARACTERISTICS:
LENGTH: 6 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    90012-2628
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1 GRGDIP 6
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  GRGDIP
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                                                                                                                                                                                                                                                                                                                                                                                                                                             COUNTRY:
                                                                     RESULT 2
US-08-178-482-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    JS-08-178-482-7
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Sequence 74. Application US/08747137
Patient No. 5945033
GENERAL INFORMATION:
APPLICATION: APPLICATION:
TITLE OF INVENTION: NOW-CROSSLINKED PROJEIN PARTICLES FOR TITLE OF INVENTION: THERAPEUTIC AND DIAGNOSTIC USE NUMBER OF SEQUENCES: 184
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 6;
                                                              MEDIUM TYPE: Diskette, 5.25 inch, 360 Kb stordge
COMPUTER: IBM pc compatible
OPERATING SYSTEM: MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIble
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%; Score 35; US 1; 1
100.0%; Pred. No. 2.5e-05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, 8th Floor CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mismatches
Mismatches
                                                                                                                                                                                                        SOFTWARE: WordPerfect 5.1
SURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/234,997
                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR DATE OF THE PROPERTY OF 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE: SEPTEMBER 17, 1953
FRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/199,507
FILING DATE: FEBRUARY 22, 1994
AND ON THE SEPTEMBER: 1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ŝ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME: Barry J. Swanson
REGISTRATION NUMBER: 33,215
REFERENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (303) 850-9900
(303) 850-9401
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  INFORMATION FOR SECTION NC:
SEQUENCE CHARACTERISTICS:
LENGTH: 6 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
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                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Coery Match
Hest local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                 CLASSIFICATION:
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                                                                                                                                                                                                                                                                                                                                             FILING DATE:
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80237
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US-08-747-137-74
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Patent No. 6083696
SEMERAL INFORMATION:
APPLICANT: GREG BIESECKER
APPLICANT: LARRY GOLD
APLICANT: DREM SMITH
APPLICANT: DREM SMITH
APPLICANT: BERN P. KIRSCHENHEUTER
TILE OF INVENTION: SYSTEMATIC EVOLUTION OF STRONG TILE OF INVENTION: SYSTEMATIC EVOLUTION STRONG TILE OF INVENTION: SELEX
TILE OF INVENTION: SELEX
WIMBER OF SEQUENCES: 5
                                                                                                                                                                                                                                                                                                                                                                                                           0: indels
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MEDIUM TYPE: Diskette, 3.50 inch, 1.44 MG storaue COMPUTER: IRM pc compatible COMPUTER: IRM pc compatible SOFTATING SYSTEM: MS-DOS SOFTAME: WordPerfect 6.0 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/556,699
FILING DATE: OCTOBER 23, 1997
                                                                                                                                                                                                                                                                                                                                                            100.0%: Score 35; DB 2; I
100.0%: Pred. No. 2.5e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADDRESSEE: Swanson & Bratschun, L.L.C.
STREET: 8400 E. Prentice Avenue, Suite 100
CITY: Englewood
                                                                   NAME: Apple, Randolph T.
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 016197-00004(CUS TELECOMOCKET NUMBER: 016197-00004(CUS TELECOMOCKE: 415-576-0209
INFORMATION FOR SEQ ID NO: 176:
                                                                                                                                                                                                                                                                                                                                                                                                             Mismatches
Nismatches
    APPLICATION NUMBER: US 07/641,720
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DAIE: OCTOBER 23, 1597
CLASSIFICATION 435
FILING APPLICATION DATA:
APPLICATION NUMBER: 08/234,997
FILING DAIE: APRIL 28, 1934
RRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/714,131
FILING DATE: JUNE 10, 1991
PRICE APPLICATION DATA:
APPLICATION NUMBER: 07/536,428
FILING DATE: JUNE 11, 1990
PRICE APPLICATION NUMBER: 08/117,991
FILING DATE: SEPTEMBER 8, 1993
PRICE APPLICATION NUMBER: 08/117,991
FILING DATE: SEPTEMBER 8, 1993
PRICE APPLICATION NUMBER: 08/117,991
FILING DATE: APPLICATION NUMBER: 08/123,935
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                                                                                                                                                                                                                                                                                                                                                                                                        0
                                                                                                                                                                                                                                                                    ESS: not relevant not relevant
                FILING DATE: 15-JAN-1991
ATTORNEY/AGENT INFORMATION:
NAME: Apple, Randolph T
                                                                                                                                                                                                     SEQUENCE CHARACTERISTICS:
LENGIH: 6 amino acids
                                                                                                                                                                                                                                                                                                                                       Owery Match
Hest Local Similarity 105.
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ADDRESSEE: Swanson 6
                                                                                                                                                                                                                                                 TYPE: amino acid
STRANDEDNESS: not
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TILLE OF INVENTION: NON-CROSSLINKED PROTEIN PAPTICLES FOR TITLE OF INVENTION: NON-CROSSLINKED PROTEIN PAPTICLES FOR TITLE OF INVENTION: 1 184
NUMBER OF SEQUENCES: 184
CORRESPONDENCE ADDRESS:
ADDRESSED: Two Embarcadoro Centor, 8th Floor
STREET: Two Embarcadoro Centor, 8th Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 5;
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CURRENT APPLICATION DATA.
APPLICATION NUMBER: US/06/747.137
FILING DATE: 12-NOV-1996
CLASSIFICATION: 424
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; Score 35; DB 2; I
100.0%; Pred. No. 2.5e-05;
                                                                                                                                                                                                                                   FILING DATE: 13-07-1922
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
TELLING DATE: 15-AN-1991
ATTORNEY/AGENT INEGRNATION:
NAME: Apple, Randolph T
REGISTRATION NUMBER: 36-429
REGISTRATION NUMBER: 019197-0034015
TELEPHONE: 415-576-020
INFORMATION FOR SEC 10 NO: 74:
SEQUENCE OHARACTERISTICS:
LENGTH: 6 AMINO ACTER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mismatches
                                                                                                      FILING DATE: 14-MAR-1994

PRIOR APPLICATION DATA:
APPLICATION MINIBER: US 08/069,83;
FILING DATE: 01-JUN-1993

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/959,560
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APPLICATION NUMBER: US 07/959,560
ELLING DATE: 13.0CT-1932
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US 08/212,546
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APPLICATION NUMBER: US 38/069,831
FILING DATE: 61-JUN-1993
APPLICATION NUMBER: US/08/747,137
                                                                                        08 08/212,546
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPOTER READABLE FORM:
MEDIJM TYPE: Floppy disk
COMPUTER: IHM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 176, Application US/08747137
Patent No. 5945031
GENERAL INFORMATION:
APPLICANT: YEN, Kichard C.K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             .
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                FILING DATE: 12 NEW-1995
CLASSIFICATION: 424
PRIOR APPLICATION LATA:
APPLICATION NUMBER: US DE
FILING DATE: 14 HARH:1994
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Best Local Similarity 100.
Matches 6; Conservative
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APPLICATION DATA:
APPLICATION NUMBER: U
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STREET: Two Embarcac
CITY: San Francisco
STATE: CA
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APPLICANT GREG BISSECKER
SUMEDHA D. JAYASENA
LARRY GOLD
DARW SMITH
GARY P. KIRSCHENHEUTER
GARY P. KIRSCHENHEUTER
TILLE OF INVENTION: SYSTEMATIC EVOLUTION OF LIGANDS BY
EXPONENTIAL ENRICHMENT: FLENCED
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: Disketre, 3.50 inch. 1.44 MB Storage
                                                                                                                                                                                                                                                                                                                                      100.0%; Score 35; DB 3; Length 6; 100.0%; Pred. No. 2.5e+09;
                                                                                                                                                                                                                                                                                                                                                                                  0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: Swanson & Bratschum: L.L.C.
STREET: 1745 Shea Conter Drive, Suito 330
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: Barry J. Swanson
REGISTRATION NUMBER: 33,215
REFERENCE/DOCKET NUMBER: NEX15/C-CON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER: 16M per compactible
OPERATING SYSTEM: MS DOS
SOFTWARE: WordPorfect 8.0
CURRENT APPLICATION DATA:
PILING DATE: 29-500-200
PRION APPLICATION DATA:
PRION APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                              0; Mismatches
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FILING DATE: OCTOBER 23, 1937
APPLICATION NUMBER: 08/234,997
FILING DATE: APRIL 28, 1994
APPLICATION NUMBER: 07/214,131
FILING DATE: JUNE 10, 1991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE: SEFTEMBER 17, 1993
APPLICATION NUMBER: 08/199,507
FILING DATE: FEBRUARY 22, 1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE: JUNE 10, 1991
APPLICATION NUMBER: 0.7555,428
FILING DATE: JUNE 11, 1959
APPLICATION NUMBER: 38/117,991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE: SEPTEMBER 8, 1993
APPLICATION NUMBER: 08/123,935
                  NAME: Barry J. Swanson
REGISTRATION NUMBER: 33,215
REFERENCE/JOCKET NUMBER: NEX15/C
TELECOMMUNICATION INFORMATION:
TELEPHONE: (303) 793-3843
INFORMATION FOR SECTION: 1:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence i, Application US/39605477; Patent No. 6465189; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ATTORNEY/AGENT INFORMATION:
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STATE: Colorado
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SELEX
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                            SEQUENCE CHARACTERISTICS:
LENGTH: 6 amino acids
TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 100.
Matches 6: Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ZIP: 80129
                                                                                                                                                                                                                                                                       TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                            1 GRGDTP 5
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                                                                                                                                                                                                                                                                                            US-08-956-699-1
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US-09-606-477-1
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GENERAL INFORMATION:
APPLICANT: American Cyanamid Company
APPLICANT: American Cyanamid Company
APPLICANT: Gopalsamy, Ariamaia
APPLICANT: Sang, Hui Y
TITLE OF INVENTION: Methods for Solid Phase Combinatorial Synthesis of Integr.n In
FILE REFERENCE: AMP-98202
CURRENT APPLICATION NUMBER: US/09/548,697A
CURRENT FILING DATE: 2000-04-13
PRIOR FILING DATE: 1999-04-14
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APPLICANT: Stein, Elke
TITLE OF INVENTOR: Methods for Determining Cell Responses
TITLE OF INVENTOR: Methods for Determining Cell Responses
FILE REPRENCE: 22000,008501
CURRENT APPLICATION NUMBER: US/09/485,654
CURRENT FILING DATE: 2000-C2-14
PRIOR APPLICATION NUMBER: PCT/3858/17157
PRIOR FILING DATE: 1998-08-19
PRIOR FILING DATE: 1998-08-19
NUMBER OF SEQ ID NOS: 3
                                                                                                                                                                                                                                                         Length 6;
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                                                                                                                                                                                                                                                     100.0%; Score 35; DS 4; ; 100.0%; Pred. No. 2.5e-05; iive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; Score 35; DB 4; 100.0%; Pred, No. 2,5e+05;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SOFTWARE: PastSEQ for Windows Version 4.0 SEC ID NO 1
                                                                                                                                                                       TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
TELECOMMUNICATION INFORMATION:
TELEPHONE: (303) 793-333
TELEFAX: (303) 793-5433
INFORMATION FOR SEQ ID NG: 1:
SEQUENCE CHARACIERISTICS:
LENGTH: 6 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 9

dS 597-548-597A-2

Sequence 2. Application US/09548697A

Patent No. 6586187
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Patent No. 6555321
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:
                                                                                                                             TYPE: amino acid
STRANDEDNESS: single
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TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NJMBER OF SEQ ID NOS: 9
SOFTWARE: PatentIn version 3.1
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Bost Local Similarity 100..
                                                                                                                                                                                                                                                                                              6; Conservative
                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                   1 GRGDTP 6
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US-09-485-653-1
                                                                                                                                                                                                            US-09-606-477-1
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                    APPLICANT: Cheng, Scan
APPLICANT: Craig, William S.
APPLICANT: Trohopp, Junerg F.
TITLE OF INVENTION: Methods and Composition for Treating
TITLE OF INVENTION: Thrombosis
NUMBER OF SECUENCES: 168
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Indels
                                                                                                                                                                                                                                                                                                                                                     SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENI APPLICATION DATA:
                                                                                                                                                        E: Campbell and Flores
4370 La Jolla Village Drive, Suite 200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%; Score 35; DB 1; 1
100.0%; Pred. No. 2.5e+65;
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                                                                                                                                                                                                                                                                                                                                                                                                                           CLASSIFICATION: 5:4
FRIOR APPLICATION DATA:
APPLICATION DATA:
FILLING DATE: 20-DEC-1993
APPLICATION NUMBER: 0S 06/079,441
FILLING DATE: 18-JUN-1993
APPLICATION NUMBER: 0S 36/079,441
FRIOR APPLICATION DATA:
APPLICATION NUMBER: 0S 38/050,736i4
FILING DATE: 14-APR-1993
FILING DATE: 05-APR-1993
FILING DATE: 05-APR-1993
FILING DATE: 05-APR-1991
FILING DATE: 05-APR-1991
APPLICATION NUMBER: US 07/506,444
FILING DATE: 06-APR-1990
ATIONEY AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Pierschbacher, Michael D.
Lukeman, David S.
Cheng, Soan
Craig, William S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
REFRENCE/DOCKET NUMBER: P-LA 9829
TELEPHONE: (619) 535-9001
TELEPHONE: (619) 535-8949
INFOMMATION FOR SEQ IE NO: 114:
SEQUENCE CHARACTERISTICS:
LENGTH: 9 amino acids
    Δ.
                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: US/08/445,745
                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
WENDUM TYPE: Floppy disk
CCMPUTER: IH PC compatible
OFERATING SYSTEM: PC-DOS/MS-DOS
    Pierschbacher, Michael
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 92, Application US/08456456 Patent No. 6395873 GENERAL INFORMATION:
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Host Local Similarity 1900.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY: circular
                                                                                                                                                                            SIREET: 4370 La Jo
CITY: San Diego
SIATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME/KEY: Peptide
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                                                                                                                                                                                                                                                        92:22
                                                                                                                                                        ADDRESSEE:
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  APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                      COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 12
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                                                                                                                                                        100.0%; Score 35: 08 4; Length b:
100.0%; Pred. No. 2.58+65;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0: Indels
                                                                                                                                                                                             6; Indela
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GENERAL INFORMATION:
APPLICANT: Diversity of Connecticut
TITLE OF INVENTION: Contradeptive Vaccine
NUMBER OF SEQUENCES: 46
CORRESPONDENCE ADDRESS:
ADDRESSEE: ideallton, Brook, Smith & Reynolds, P.O.
STREET: Two Milita Drive
STATE: MA
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/55640 FILING DATE: 1993/610 CLASSIFICATION: PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0: Mismatches
                                                                                                                                                                                                 Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: 07/897,383
FILING DATE: JUNE 12, 1992
ATTORNEY/AGENT INFORMATION:
NAME: BLOOK, DAYLE E.
REGISTRATION NUMBER: 22,592
REPERENCE/OCKET NUMBER: 02190-01AA
IELEPHONE: (617) 861-6240
INFORMATION POR SEQ 1D NO: 45:
SEQUENCE CHARACTERISTICS:
LENGTH: 6 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 11
US-08-445-745-114
Sequence 114, Application CS/08445745
Patent No. 5572585
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER: 1BM PC Compatible OPERATING SYSTEM: PC-DOS/MS-DGS
                                                                                                                                                                                               0
                                                                                              ) OTHER INFORMATION: Synthetic US-09-548-6974-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ss: single
linear
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Best Local Similarity 100.
Matches 6: Conservative
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Matches 5, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY: linear
MOLECULS TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: amino acid
STRANDEDNESS: sin
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1 GRGDTP 6
SEQ ID NO 2
LENGTH: 6
TYPE: PRT
ORGANISM: unknown
                                                                                                                                                                                                                                      1 GRGUTP 6
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1 GRGDTP 6
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PCT-US93-05540-45
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                                                                                                                                                            Query Match
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APPLICATION NUMBER: US/08/445.638
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Sequence 50, Application US/06445745
Patent, No. 5672585
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 114:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Cuery Match
Hest Local Similarity 100...
Hest Local 6: Conservative
   CURRENT APPLICATION DATA
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                                                                                                            CLASSIFICATION: 514 FRIDE APPLICATION DATA:
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DATE:
CLASSIFICATION: 514
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: amino acid
TOPCLOGY: circular
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CITY: San Diego
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME/KEY: Peptide
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ó
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TSCCOPP, June F. TILLE OF INVENTION: METHOD AND CAMPOSITION FOR IRRATING
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 114. Application US/UR445638
Patent No. 5521594
GENERAL INFORMATION:
APPLICANT: Pierschbacher, Michael D.
APPLICANT: Cheng, Scan
APPLICANT: Craiq, William S.
APPLICANT: Craiq, William S.
APPLICANT: Trechopp, Juerg F.
TILE OF INVENTION: Methods and Composition for Ireating FILE OF INVENTION: Thrombosis
NUMBER OF SEQUENCES: 168
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Score 35: DB 4; Length 9:
100.0%; Pred. No. 2.56+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        C; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                        MEDIUM TYPE: Floppy disk
COMPUTER: 1BM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Datentin Reicase #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/06/456.456
FILING DATE: 01-Jun-1995
CLASSIFECATION: <unreselected to the compatible of the company of the comp
                                                                                                                                   CORRESPONDENCE ADDRESS:
ADDRESSEE: CAMPBELL & FLORES, LLP
STREET: 4370 La Jolia Village Drivo, Suite 700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Patentin Release #1.0, Version #1.25
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4370 La Jolla Village Drive, Suite 766
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LOCATION: OTHER INFORMATION: /note- "Xad-Php" SEQUENCE DESCRIPTION: SEQ ID NO: 92:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-1A 1537
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Mismalches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 92:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                       THROMBOS18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LENGTH: 9 amino acids
TYPE: amino acid
STRANDEDMESS: single
                                                                                                            NUMBER OF SEQUENCES: 120
                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
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                                                                                                                                                                                                                                               CITY: San Diego
STATE: California
COUNTRY: USA
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Best Local Similarity 160.
Matches 6; Conservative
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MEDIUM TYPE: Floppy
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STATE: California
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2 GRGDTP 7
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STREET: 43
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S-08-445-638-114
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APPLICANT: Cheng, Soan
APPLICANT: Craig, William S.
APPLICANT: Tandy William S.
APPLICANT: Tachopp, Junerg F.
TITLE CF INVENTION: Methods and Composition for Treating
TITLE CF INVENTION: Thrombosis
TWHER CF SEQUENCES: 169
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 97
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/445,745
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADDRESSEE: Campbell and Flores
STREET: 4370 La Jolla Village Drive, Suite 700
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100.0%; Pred. No. 2.5e+05;
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                                                                                                                               APPLICATION NUMBER: US 08/056,73614
FILING DATE: 14-APR-1993
FRIOR APPLICATION DAIA:
APPLICATION DAIA:
APPLICATION NUMBER: US 67/681,115
FILING DATE: 0-APR-1991
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/506,444
FILING DATE: 06-APR-1990
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: 3-13.
TELECOMMUNICATION INFORMATION:
APPLICATION NUMBER: US 08/171,068
FILINS DATE: 20-DEC-1993
APPLICATION NUMBER: US 08/079,441
FILING DATE: 18-JUN-1993
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COMFUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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100.0%: Score 35; 58.1; 5ensth 10; 100.0%; Pred, No. 0.75;
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Job time : 17 secs
FILING DATE: 18-JUN-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 03/050,73614
FILING DATE: 14-APR-1993
PRIOR APPLICATION NUMBER: US 07/681,119
FILING DATE: 05-APR-1931
PRIOR APPLICATION NUMBER: US 07/681,119
FILING DATE: 05-APR-1931
APPLICATION NUMBER: US 07/506,444
FILING DATE: 06-ARR-1990
ATTORNEY/ACRT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION RUMBER: 31,815
GEFFRENCE VACART MINGRES: 0-18, 0823
                                                                                                                                                                                                                                                                                                REFERENCE/DOCKET NUMBER: P-1A 9823
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9601
TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 51:
SEQUENCE CHARACTERISTICS:
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US 68-445-748-51
                                                                                                                                                                                                                                                                                                                                                                                                                                                      LENGIH: 10 amino acids
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Matches 6; Conservative
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TOPOLOGY: circular
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3 GRGDIP 8
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Cherginacher, Michael D. APPLICANT: Cherginacher, Michael D. APPLICANT: Cherginacher, William S. APPLICANT: Craigin William S. APPLICANT: Traigin William S. TITLE OF INVENTION: Methods and Composition for Ireating TITLE OF INVENTION: Thrombosis NUMBER OF SUGUREES: 188

CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER: IBM PC compatition
OPERATING SYSTEM: PC-DCS/MS-DOS
SOFTWARE: Patentin Release #1.6, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADDRESSEE: Campbell and Flores
STREET: 4370 La Jolla Village Drive, Suite 700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; OTHER INFORMATION: /not.e. "Xaa + (Pen)"
US-08-445-745-56
                                                                                                                                         APPLICATION NUMBER: US 08/650,73614
FILING DAIB: 14-APR 1993
APOR APPLICATION DAIR:
APPLICATION NUMBER: US 07/681.119
FILING DATE: 05-APR:1991
PR:0R APPLICATION DAIR: 05.444
APPLICATION NUMBER: US 07/506,444
FILING DATE: 06-APR:1990
ATTORNEY/AGBNY INFORMATION:
                                                                                                                                                                                                                                                                                                                                                 NAME: Campbell, Cathryn A.
REGISTRATICN NINBER: 31.815
REFRENCE/CDCKET NINBER: P-1A 9429
TELEPHONE: (519) 535-5661
TELEPHONE: (519) 535-5661
INPORMATION FOR SEG. ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/171,068
FILING DATE: 20-DEC-1993
APPLICATION NUMBER: US 08/079,441
                                                  FILING DATE: 20-DEC-1993
APPLICATION NUMBER: US 08/079,441
PILING DATE: 18-JUN-1993
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/445,745
                               US 08/171,068
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     : Sequence 51, Application US/08445745
; Patent No. 5672585
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGIH: 10 amino acids TYPE: amino acid
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Best Local Similarity 100.
Matches 5; Conservative
       PRIOR APPLICATION DATA:
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CLASSIFICATION: 514
                          APPLICATION NUMBER:
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STATE: California
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Sequence 19, Appl
Sequence 1265, Appl
Sequence 26, Appl
Sequence 46, Appl
Sequence 15, Appl
Sequence 15, Appl
Sequence 15, Appl
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Sequence 33, Appl
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                                                        September 16, 2003, 16:16:48 : Search time 26 Seconds
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4 US-10-007-273-33
5 US-10-263-456-1
2 US-10-193-764-41
2 US-10-193-764-39
5 US-10-193-764-39
5 US-10-156-761-13265
US-09-837-9694-46
US-09-837-9694-46
US-09-868-260-15
US-09-961-834-1
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US-09-177-643-1
US-09-841-321A-26
US-09-841-321A-46
US-09-871-574-3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SUMMARIES
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Maximum Match 100%
Listing first 45 summaries
OM protein - protein search, using sw model
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length: 2000000000
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Maximum DB seq
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                                                                                                                                                                                                                                                                                                    Scoring table:
                                                                                                                                                                              Title:
Perfect score:
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                                                           Run on:
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Sequence 31, App. Sequence 5, Appl. Sequence 9, Appl. Sequence 32, Appl. Sequence 32, Appl. Sequence 32, Appl.	3 8 3 P A A A A A A A A A A A A A A A A A A	Sequence 1, Appliance 1, Appliance 2, Appliance 3, Appliance 8, Appliance 8, Appliance 1, Appliance 96, Appliance 96, Appliance 96, Appliance 96, Appliance 96, Appliance 97, Appliance	96, 96, 96, 11,	Sequence 1, Appli Sequence 8, Appli Sequence 37, Appli Sequence 11, Appli Sequence 11, Appli
US-69-972-772-31 US-10-262-435-5 US-10-325-021-9 US-10-001-945-31 US-10-007-270 32	8-10-00 8-10-11 8-10-04 8-10-23	US - 08 - 9 US - 09 - US - 10 - US - 10 - US - 09 - 9 US - 09 - 8	US-09-753-126-6 US-09-98-412-96 US-10-165-155-96 US-10-174-717A-96 US-09-109-73-11 US-09-809-2071-11	US-09-892-071-1 US-09-892-071-8 US-10-007-276-34 US-10-607-276-34 US-09-837-963A-11 US-00-841-321A-11
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ALIGNMENTS

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OTHER INFORMATION: Description of Artificial Sequence; No. US20036157712Ale OTHER INFORMATION: synthetic construct
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S-20-420-029-1
S-210-420-029-1
Sequence 1, Application US/19420029
Sequence 1, Application US/19420029
Sequence 1, Application WS. 20030157712A1
GENERAL INFORMATION:
APPLICANT Daniel, Thomas C.
APPLICANT Stein, Elke
TITLE OF INVENTION: Methods for Determining cell Responses
TITLE OF INVENTION: Methods for Determining cell Responses
FILE REFERENCE: 22000.008502
CURRENT APPLICATION NUMBER: US/19/420.029
CURRENT PELING DATE: 2003-04-17
PRIOR FILING DATE: 1998-081
FRIOR FILING DATE: 1998-081
FRIOR FILING DATE: 1998-081
FRIOR FILING DATE: 1998-08-19
NUMBER OF SEQ ID NOS: 3
SOFINARE: FASLSED for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Score 35; DR 12; Length 6; 100.0%; Pred. No. 5e+05;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Mismatches
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Matches 6; Conservative
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RESULT 2

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Gaps
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APPLICANT: JOOSEOTE, Shoena M.
APPLICANT: Yan-Fing
APPLICANT: Klein, Michel H.
TITLE OF INVENTION: PROJECTIVE RECOMMENANT HABMOFHILDS INFIDENZAE HIGH
TITLE OF INVENTION: PROJECTIVE RECOMMENANT HABMOFHILDS INFIDENZAE HIGH
FILLE REPERENCE: 1038-1239MIS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%; Score 35; DB 15; Length 6; 100.0%; Pred; No. 5e+05; Civo 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                   NAME: Barry J. Swanson
REGISTRATION NUMBER: 33,215
REFERENCE/DOCKET NUMBER: NEXTS/C-CON
IELECOMMUNICATION INFORMATION:
IELEPHONE: (363) 793-333
INFORMATION FOR SEQ ID NO: 1:
                                                                                                              FILING DATE: SEVTEMBER 8, 1993
APPLICATION NUMBER: 08/123,935
FILING DATE: SEVTEMBER 17, 1993
APPLICATION NUMBER: 08/199,507
FILING DATE: FEBRUARY 22, 1994
  APPLICATION TO 1991 FILING DATE: JUNE 10, 1991 FILITON NUMBER: 07/536,428
                                             APPLICATION NUMBER: 07/536,428 FILING DATE: JUNE 11, 1990 APPLICATION NUMBER: 08/117,991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE DESCRIPTION: SEQ ID NO: 1: US:10-263-456-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CURRENT APPLICATION NUMBER: US/10/195,764
TLIANG DATE: 2002-07-12
PHIOR APPLICATION NUMBER: 09/167,568
PRIOR FILING DATE: 1998-15 07
APPLICATION NUMBER: 07/714,131
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-10-193-764-41
Sequence 41, Application US/10193764
Publication No. US2003013394381
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-16-193-764-39
. Sequence 39, Application US/10193764
. Publication No. US20036133943A1
. GENERAL INFORMATION:
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TYPE: PRI
ORGANISM: Haemophilus influenzae
                                                                                                                                                                                                                                            ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LENGTH: 6 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           IYPE: amino acid
STRANDEDNESS: single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ouery Match 100.
Best Local Similarity 100.
Matches 6; Conservative
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SCHIMARE: Patentin Ver. 2.1
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Matches 6: Conserv
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|9 GRGDTP 24
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                                Sequence 33, Application US/10.07270

Bublication No. US2002016.094A1

Publication No. US2002016.094A1

APPLICANT HAPPAILON RECKES H

APPLICANT HAPPAILON OF TOWA HOSEARCH FOUNDALION

TILLE OF INVENTION DATE: 20011-08

PRIOR PAPLICATION NUMBER: US/10/07/270

CURRENT FILING DATE: 1999-10-29

PRIOR APPLICATION NUMBER: US/9/430,195

PRIOR FILING DATE: 1999-10-29

PRIOR FILING DATE: 1999-10-29

PRIOR FILING DATE: 1999-10-29

PRIOR FILING DATE: 1999-10-29

SOFTWARE: Fatentin Ver. 2.1

SEQ ID NO 33

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DARN SMITH
DARN SMITH
DARN P. KIRSCHENHEUTER
GARY P. KIRSCHENHEUTER
TITLE OF INVENTION: SYSTEMATIC EVALUATION OF LUGANES BY
TITLE OF INVENTION: SYSTEMATIC EVALUATION OF LUGANES BY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%; Score 35; DB 14; Length 6; 100.0%; Pred. No. 58+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MEDIUM TYPE: Diskette, 3.50 inch, 1.44 MG storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0: Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OTHER INFORMATION: Description of Artificial Sequence: OTHER INFORMATION: RGD-containing peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSER: Swanson & Bratschup, 5.1.10.
STREET: 1745 Shea Center Drive, Suite 330
CITY: Highlands Ranch
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/606,477
FILLING DATE: 29-Jun-2000
APPLICATION NUMBER: 08/956,699
FILING DATE: OCTOBER 23, 1997
APPLICATION NUMBER: 08/234,997
FILING DATE: APRIL 28, 1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER: IRM pc compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: Wordberfect 8.C
CURRENT APPLICATION DATA:
APPLICATION WHRER: US/10/263,456
FILING DATE: 02-0ct-2002
CLASSIFICATION: <a href="https://doi.org/10/2002/19/2002/">UNKNOWN></a>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 1, Application 08/10263456
Publication No. US2063057544631
GENERAL INFORMATION:
APPLICANT: GRES HIBSECKER
SEMEDHA D. ANYASENA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CORRESPONDENCE ADDRESS:
ADDRESSEE: Swanson
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
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Best Local Similarity 100.
Matches 6: Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CCUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CRGDIP 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 CRGDIP 6
                 US-10-007-270-33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       us-10-007-270-33
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FF.ATURE:
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SEKERAL INFORMATION:

SEKERAL INFORMATION:

APPLICANT: Urry, Dan

TITLE OF INVENTION: Injectable implants For Dissue Argentation and Restoration

TITLE OF INVENTION: Injectable implants For Dissue Argentation and Restoration

TITLE OF INVENTION: UNMESE: US/09/637,963A

CURRENT APPLICATION NUMBER: US 69/256,723

PRIOR APPLICATION NUMBER: US 69/256,723

PRIOR APPLICATION NUMBER: US 69/256,723

PRIOR FILING DATE: 1998-62-26

PRIOR FILING DATE: 1998-62-27

NUMBER OF SEQ ID NOS: 65

SOFTWARE PATENTION NOWS: 65

SOFTWARE PATENTION OF SEC DISSUED AND SEC DISS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Urry, Dan TITLE OF INVENTION: Bloelastomer Nanomachines and Bicsensors File Reference: BERL-030/01US CURRENT APPLICATION NUMBER: US/09/688,260
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                elebal to
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Pred. No. 5e+05:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 31; DS 9;
Pred. No. Se+C5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1: Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1; Mismatches
PRIOR FILLING DATE: 1999-02-26
PRIOR APPLICATION NUMBER: US 60/087155
PRIOR FILLING DATE: 1998-05-29
PRIOR PLIJING DATE: 1998-02-27
NUMBER OF SEQ ID NOS: 65
SOFTWARE: PARCHIN VALESION 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               : Sequence 46, Application US/09837969A
: Patent No. US20020038150A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Bioelastics Research, Ltd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; Sequence 15, Application US/09888260
; Patent No. US20020068304A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       88.6%;
                                                                                                                                                                                                                                                                                                             TYPE: PRT
GRGANISM: Artificial Sequence
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83.48;
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CTHER INFORMATION: Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                            COTHER INFORMATION: Synthotic
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Hest Local Similarity 83.2
From St. Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                  NAME/KEY: PEPTIDE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME/KEY: PEPTIDE
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                                                                                                                                                                                                                                                                              LENGTH:
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TITLE OF INVENTION: Injectable implants For Tissue Augmentation and Restoration
FILE REFERENCE: BESEL-052/070313
CURRENT APPLICATION NUMBER: US/09/837,969A
CURRENT FILING DATE: 2001-06-19
PRIOR APPLICATION NUMBER: US 09/258,723
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                                                                 TITLE OF INVENTION: PROTECTIVE RECOMBINANT HAEMORHELUS INFLUENZA: HIGH TITLE OF INVENTION: MCLECULAR WEIGHT: PROTEINS FILE OF INVENTION: MCLECULAR WEIGHT: PROTEINS FILE REPERENCE: 1038-1239MIS CURRENT APPLICATION NUMBER: US/16/193,764 CURRENT FILING DATE: 2002-07-12 PRIOR PRILING DATE: 1999-10-07 NUMBER: 09/16/568 PRIOR FILING DATE: 1999-10-07 NUMBER OF SEQ ID NOS: 91 SOFTWARE: PREGNIN VEY: 2.1
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O
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APPLICANT: INEDA. BAROSH:
APPLICANT: ISHIRAMA. JUN
APPLICANT: ISHIRAMA. JUN
APPLICANT: BHIRAMA. JUN
APPLICANT: BHIRAMA. HIROSHI
APPLICANT: SHIRA. TADAYOSHI
APPLICANT: SHIRA. TADAYOSHI
APPLICANT: SAKAKI, YOSHITYKI
APPLICANT: HATORI: MASAH'RA
ITILE OF INVENTION: NOVEL POLYNUCLEOTIDES
FILE REFERRNCE: 249-252
CURRENT APPLICATION NUMBER: US/10/156,761
CURRENT FILING DATE: 2001-65-39
PRIOR FILING DATE: 2001-65-39
PRIOR FILING DATE: 2001-65-39
PRIOR FILING DATE: 2001-69-02
NUMBER OF SEQ. ID NOS: 15109
SEG ID NO 13265
LENTH: 1517
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; ORGANISM: Streptomyces avermitilis
US-10-156-761-13265
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ORGANISM: Haemophilus influenzae
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Best Local Similarity 100...
Fee 6: Conservative
   APPLICANT: Yang, Yan-Ping
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| 1512 GKGDTP 1517
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APPLICANT: Koivunen, Erkki
TITLE OF INVENTION: No. US20620103130Alr: Interrin-Binding Peptides
NUMBER OF SEQUENCES: 46
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                                                                                                                                                                                                                                                              9; Indels
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                                                                                                                                                                                                                              Score 31; DB 9; Length 6; Pred, No. 5e+05;
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83.38; Pred. No. 56-55;
ative 1; Mismatches 0; Indels
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STREET: 4370 La Jolla Village Drive, Scite 700
                                                                                                                                                                                                                                                              Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              : ORGANISM: Fibronectin ligand receptor US-09-961-834-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 21, Application US/09364557A Patent No. US20020103130A1 GENERAL INFORMATION:
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
           PRIOR APPLICATION NUMBER: 69/213/3/44 PRIOR FILING DATE: 2006-66-23 NUMBER OF SEG. 15 NOS: 63 SOSTWARE: Palentin version 3.C SEQ ID NO 15
2001-66-21
                                                                                                                                                                                                                               88.6%;
                                                                                                                      ORGANISM: Artificial sequence
                                                                                                                                                                  ) LOCATION: (1)..(6)
) OTHER INFORMATION: Synthetic
US-09-888-260-15
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Best Local Similarity 83.33
Matches 5: Conservative
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STATE: California
COUNTRY: USA
CURRENT FILING DATE:
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Best Local Similarity
Matches 5: Conserv
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1 GRGDSP 5
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1 GRGDSP 6
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US-09-364-597A-21
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BACTERIAL INFECTION OF SUTURES AND
PROSTHETIC DEVICES, AND PROMOTING
INCRESS OF LEGSCOTTES, INTO TUMOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE APPLICANT: CITY OF NEW YORK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SYSTEM: PC-DOS/MS-DOS
PatentIn Release #1.6, Version #1.60
Patentin Release #1.0, Version #1.25
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1; Mismatches
            CURRENT APPLICATION FARAL

PFLICATION NUMBER: US/3y/364,597A

PFLICATION NUMBER: US/3y/364,597A

PFLICASTFICATION BATA:

APPLICATION BATA:

APPLICATION NUMBER: US 38/156,001

FILING DATE: A-NOV-1993

PFLICATION NUMBER: US 38/26,861

APPLICATION NUMBER: US 38/26,861

FILING DATE: A-AUG-1994

ATTORNEY/AGENT: NOVAMATION:

REGISTATION NUMBER: 31,815

REGISTATION NUMBER: 31,815

RECENDANTICATION NUMBER: 31,815

RECENDANTICATION INFORMATION:

FELEFORMUNICATION INFORMATION:

FELEFORM (BS8) 535-9001

TELEFAX: CASALOR INFORMATION:

FROMENCE CHARACTERISTICS:

FOUNDER: CHARACTERISTICS:
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STREET: 1185 Avenue of the Americas
CITY: New York
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APPLICATION NUMBER: US/09/17/843
FILING DATE: April 22, 1997
CLASSIFICATION:
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Patent No. US20020114804A1
GENERAL INFORMATION:
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IBM PC compatible
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NAME: White, John P
REGISTRATION NUMBER: 28,678
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       88.5%;
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INFORMATION FOR SEQ ID NO: 1:
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Hest Local Similarity 85.75,
Hest S. Conservative
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LENGTH: 6 amino acids
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CORRESSIONDENCE ADDRESS:
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MEDIUM TYPE: Floppy
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SOFTWARE: PatentI
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: U.S.A.
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1 GRGDSP 6
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SCFTWARE:
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APPLICANT: JETY, Dan.

TILLE OF INVENTION: Injectable Implants For Tissue Augmentation and Restoration.

TILLE OF INVENTION: Injectable Implants For Tissue Augmentation and Restoration.

TILLE OF INVENTION: INFO TO SOLVE 
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Pred. No. 50.05;
i; Mismatches
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Pred. No. 50-05;
1; Mismatches 0; Indels
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Patent No. US20020116069A1
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83.3%;
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OTHER INFORMATION: Synthetic
                                                                                                                                                                                                   Query Match
Bost Local Similarity 85.5.
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Best Local Similarity 83.3
Matches 5: Conservative
                     STRANDEDNESS: Single
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
TYPE: amino acid
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1 GRGDSP 6
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US-09-177-843-1
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APPLICANT: WON WRONSKI, MATHEW A.
APPLICANT: WON WRONSKI, MATHEW A.
APPLICANT: WON WRONSKI, MATHEW A.
APPLICANT: WANIBEL; EDWIND R.
APPLICANT: WILL, RAJEAKHISHN D.
APPLICANT: WILL, RAJEAKHISHN D.
APPLICANT: RAMALINGAM KONDAREDCIAR
APPLICANT: TAMEDEL, METAREL F.
APPLICANT: RANJAPPAN, PALANIAFPA
APPLICANT: RANJAPPAN, PALANIAFPA
APPLICANT: RANJAPPAN, PALANIAFPA
APPLICANT: RANJAPPAN, WANABAJAN
TILE OF INVENTION: COMPOUNS FOR TAREFTING ENCOTHELIAL, COMPOSITIONS
TILE OF INVENTION: COMPOUNS FOR TAREFTING ENCOTHELIAL, COMPOSITIONS
TILE OF INVENTION: CONPOUNS FOR TAREFTING ENCOTHELIAL, COMPOSITIONS
TILE OF INVENTION WINGHER: US/09/871,974
CURRENT FILING DATE: 2001-06-64
PRIOR FALLING DATE: 2006-06-22
NUMBER OF SEQ ID NOS: 13
SOTTWARF: PATENTIN VET. 2.1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                          88.6%; Score 31; DB 1G; Longth 6; 83.3%; Prod. No. 50+05; tive 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 31, DB 10; Length 6;
Pred. No. 5e+05;
1: Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Search completed: September 16, 2003, 18:18:56 Job time: 27 secs
                                                                                                                                                                                                                                                                                                                                                                                                                      : Sequence 3, Application US/09871974 ; Patent No. US20020147136A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        88.68;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: PRI
ORGANISM: Artificial Sequence
TYPE: PRI
ORGANISM: Artificial Sequence
                                                                                     LOCATION: (1)..(6)
OTHER INFORMATION: Synthetic
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Best Local Similarity 83.37
5: Conservative
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Hest Local Similarity
5, Conserve
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                                                                                                                                                                                                                                                             1 GRGDTP 6
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                                           FEATURE:
NAME/KEY: PEPTIDE
                                                                                                                            US-09-841-321A-46
                                                                                                                                                                                                                                                                                                                                                                                               08-09-871-974-3
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GenCore version 5.1.6 Copyright (c) 1993 - 2003 Compugen Ltd

OM protein : protein search, using sw model

September 16, 2003, 18:15:07 Run on:

7 ; Search time 15 Seconds (without alignments) 34.462 Killion cell updates/sec

US-09-760-612A-1 35 GRSDTP 6 Title: Perfect score:

Sequence:

Gapop 10.0 , Gapext 0.5 HI/OSDM62 Scoring table:

283308 segs, 55168682 residues Scarched: Total number of hits satisfying chosen parameters:

Minimum DB seq length: 2 Maximum DB seq length: 2000000000

Post-processing:

Maximum Match 100% Listing first 45 summaries Minimum Match 08

*:9€_RIG Database

pirl:*
pirs:*

Pred. No. is the number of results predicted by chance to lave a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

fibromectin precur fibromectin - Afri hypothetical prote aminoacylase (80 } cysteine synthase cathepsin H (EC 3, cathepsin B (EC 3, cathepsin B (EC 3, Shi ribosomal profein probable myrosinas hypothetical proto FS4F2.1 protein -fibronectin - chic hypothetical prote hypothetical profe fibronectin - chic fibronectin - bovi hupk protein - Bhi multidrug resistan 146D nuclear prote :ldb homolog sir08 probable oxidoredu probable oxidoredu hypothetical prote fibronectin precur isochorismate synt probable membrane osmolarity sensor ribC protein Description SUMMARIES S27344 D87342 T30867 S18159 T02571 \$44824 A28512 G84270 S4845 B84264 S74845 A99675 D85525 T29190 T45533 S14428 A43908 F84258 AD3256 C55213 A75477 KHROB KRHUB AC2508 PNBC :NH. Ouery Match Length DB 691 1020 2265 2386 Result.

cathepsin B (EC 3. hypothetical prote hypothetical prote nicolinic acetylch virulence associat Laspartate oxidas dnak type molecula GMC oxidoreductase probable bacteriop hypothetical prote EV 7 dimethyl-8 rib sigma-E factor registanse factor registanse.	ALIGNMENTS blum leguminosarum leguminosarum sequence_rovision 01-Den-1955 #text_change 08-Oct-1999 E.: Palacies, J.: Riiz-Arqueeso. 1. 88-1002, 1952 sequence and organization of an H(2) uptake gene cluster from Rhi sequence and organization of an H(2) uptake gene cluster from Rhi S27340; MUD:93108466; PMIH:1469753 Y EY> EMBL:XS2974; N:Deq1167855; PHON:CAA37158.1; FID:q48731	Score 35; DB Z; Length 570; Pred. No. 16; Mismatches 6; Indels 0; Gaps 0;
KIMSh 175173 887574 A24572 A82596 A82596 8136349 8136349 8136468 HP7668 HP7668 HP7668 HP7668 HP7668 FP1686 FP1686 FP1658 FP1658	ALIGNMENTS blum leguminosarum leguminosarum leguminosarum sequence_rovision 01-ban-19 E.; Palacios, J.; Kriz-Arque 98-1002, 1992 sequence and orbanization of	:
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multidrug resistance protein, probable (imported) - Caulobauter crescentus C;Species: Caulobacter crescentus C;Date: 20-Apr-2001 #sequence_revision 20-Apr-2001 #text_change 20-Apr-2001 C;Accession: D87342 RESULT 2

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1 GRGDIP 6

Cyncession B7342

E.Nierman, W.C.; Feldblyum, T.V.; Paulsen, I.T.; Nelson, K.E.; Eisen, J.; Heidelberg, B.; Laub, M.T.; DeBoy, K.T.; Dosbon, R.J.; Durkin, A.S.; Gwinn, M.L.; Haft, D.H.; K. Dr.; Ermolaeva, M.; White, O.; Salzberg, S.L.; Shapiro, L.; Venter, J.C.; Fraser, C. Proc. Natl. Acad. Sci. U.S.A. 98, 4136-4141, 2001

A.Title: Complete Genome Sequence of Caulobacter crescentus.

A.Reference number: A67249; MUID:21173698; PMID:11259647

A.Status; preliminary

A:Residues: 11450 <STO> A:Cross-references: GB:AE005673; NID:g13421986; PTEN:AAK22736.1; GSPDB:GN00148 C:Genetics:

100.0%; Score 35: D5 2: Length, 450: 100.0%; Pred. No. 13; 0: Live 0; Mismatches 0; 1:dels Quory Match Bost Local Similarity luv.v. Bost Local Similarity luv.v. A:Gene: CC0751

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Gaps

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1 GRGDTP 6 a ें

220 GRGDTP 225

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hypothetical protein alr7243 (imported) - Nostoc sp. (strain PCC 7120) plasmid pCC712 C.Species: Nostoc sp. PCC 7120 A.Notes Nostoc sp. strain PCC 7120 is a synonym of Anabauna sp. strain PCC 7120 (i.date: 14-Dec-2001 #sequence_revision 14-Dec-2001 #sext_change 09-Dec-2002 C.Accession: AC2508
                                     Syke
                                                                                                                                                                                                                                      A:Residues: 1-458 --ROUD
A:Cross-references: EMBL:AC004697: NID:93402671; FID:93402676
A:Experimental source: cultivar Columbia
R:Lin. X: Kaul, S: Rounsiey, S:D: Shea, T.P.; Benito, M.I.; Town, C.D.; Fujii, C.Y
R:Lin. X: Koo, H.; Moffat, R.S.; Gronin, L.A.; Shen, M.; VarAken, S.E.; Umayam, L.; Tallon, e.ss., D.; Niorman, W.C.; White, G.; Elsen, J.A.; Saizbery, S.L.; Fraser, C.M.; Venter Mitter 402, 761-768, 1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     M.; Yasuda, M.; Tabata
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Strameko, I.; Nakamura, Y.; Wolk, G.P.; Kuritz, I.; Sasamoto, S.; Watanabe, A.; Iriqu
Nakazaki, N.; Shimpo, S.; Sugimoto, M.; Takuzawa, M.; Yamada, M.; Yasuda, M.; Tabata
DNA Res. 6, 205-213, 2001
AFITILE: Complete Genomic Sequence of the Filamentous Nitrogen-lixing Cyanobacterium
A.Reference number: Abl807; NUID:21595235; PMID:11759440
                                                                                                                                                                                                                                                                                                                                                                                                                                             Allither Sequence and analysis of chromosome 2 of the plant Arabidopsis thalians. A.Reference number: A84420; MUID:20083487; PMID:10617187
                              Erkounsley, S.D.; Kaul, S.; Lin, X.; Ketchum, K.A.; Crosty, M.L.; Brandon, R.C.; Sobnitted to the EMBL Data Library, August 1998. Accessiption: Arabidopsis thaliana chromosome II BAC 716824 genomic sequence. A:Reference number: 214679.
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A:Experimental source: strain PCC 7120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        A;Cross-references: GB:AE002093; NID:q3402676; F;EN:AAC23979.1; GSPDB:GN00139-C;Genetics:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 C:Species: Caenorhabditis elegans
C:Date: 14-Sep-1994 #sequence_revision 12-May-1995 #text_change 23-Mar-2001
C:Accession: S44824
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Pred. No. 76,
1, Mismatches 0, indels
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Pred. No. 57;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1; Mismatches
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                                                                                                                                                                                      A:Status: translated from GB/EMBL/DDEJ
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Matches 5; Conservative
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C.Accession: T02571; G84815
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A:Map position: 2
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Rest Local Similarity
Matches 5; Conserv
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A; Residues: 1-458 <STO>
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A:Residues: 1-606 <KUR>
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A;Status: preliminary
                                                                                                                                                                                                                           A:Mojecule type: DNA
                                                                                                                                                                    A:Accession: T0257
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C/Species: Gallus gallus (chicken)
C/Date: 30-Jun-1993 #sequence_revision 30-Jun-1993 #text_change 22-Jun-1999
C/Accession: A46032, 150415, s18159
R/Colombo, P.; Yon, J.; Garson, K.; Fried, M.
Proc. Natl. Acad. Sci. J.s.A. 89, 6358-6362, 1992
A/Title: Conservation of the organization of live tightly clustered acres over 60 mills
A/Reference number: A46032; MULD:92335297; PMID:163133
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A;Note: submitted to the EMBL Data Library, October 1991
A;Note: sequence extracted from NCBL backbone (NCBIP:108733)
R;Maeda, N.; Kenmochi, N.; Tanaka, T.
Biochimie 75, 785-790, 1893
A;Title: The complete nucleotide sequence of chicken ribusomal protein 174 apply A;Reference number: 150416; MuID:94106270; PMID:8274539
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                                                                                                                                                                                                                                                       Rischmidt-Zachmann, M.S.; Knecht, S.; Kraemer, A.
Mol. Biol. Cell 9, 143-160, 1998
Affitte: Molecular characterization of a novel, widespread nuclear protein that.
A:Reference number: 220921: MUID:$8099695: PMID:9436997
                                                                                                                                                                                                                                                                                                                                                                                                                                                       A:Molecule type: mRNA
A;Residues: 1-1367 <SCH>
A;Cross-references: EMBL:Y08997; NID:92791835; PiDN:CAA76201.1; PID:3273;896
                                                                                                                           146D nuclear protein - African clawed frog
CiSpecies: Xanopus Laevis (African clawed froq)
CiDate: 22-Oct.1899 4sequence_revision 22-Oct.1995 #text_change 21-Jul-2000
CiAccession: T30887
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A:Residues: 1-266 <COL>
A:Cross-references: EMBL:X62640; NID:963777; PIDN:CAA44506.1; PID:963778
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0: Mismatches

100.0%; Score 35; 100.0%; Pred. No.

Query Match 100.

Best Local Similarity 100.
Matches 6; Conservative

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DB 2: Length 1307; 40;

A:Status: preliminary: translated from GB/EMBL/EDBJ

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probable myrosinase-binding protein (imported) - Arabidopsis thaliana
N:Alternate names: hypothetical protein T16824.5
C:Species: Arabidopsis thaliana (mouse-ear cress)
C:Date: 05-Mar-1999 #sequence_revision 05-Mar-1999 #text_change 16-Fcb-2001
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Pred, No. 32; 1: Mismatches

Score 32;

91.48;

Query Match Best Local Similarity 83.3 Matches 5: Conservative

124 GKGDTP 129

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RESULT 5

UR 1: Length 266;

Ajintrons: 1/3; 42/1; 92/1; 139/1; 165/3; 204/2; 232/3 C;Superfamily: rat ribosomal protein 17a

A;Gene: surf-3/Rp:7a

A)Status: translated from GR/DMH1/COPA A)Molecule type: CNA A)Residues: 1-266 <MADA

A; Accession: 150416

C; Keywords: protein blosynthesis; ribosome

Length 1226

91.4%: Score V2: 10 2: Length 122 83.3%: Fred. No. 1.66-32; Byo. 1: Mismarches C; 12001s

Query Match Best Local Similarity (43.3) Matches 5, Conservative

::1111 519 GKGDIP 524

1 GRGDTP 6

ò q

A.Status: preliminary A.Molecule type: DNA A.Residucs: 1-1226 -AND> A.Cross-references: EMHL:L23645; NID:q388603: FID:q388605

C:Keywords: cytoskeleton: transmembrane protein

C;Genetics:

R; Anderson, K. submitted to the EMBL Data Library, September 1993. Alberniption: Soquence of the C. elegans cosmid FS4F2. A; Accession: S44824.

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Osciolarity sensor protein Env2 VC2713 [imported] - Vibrio cholcrae (strain N)6951 se C; Species: Vibrio cholerae (strain N)6951 se C; Species: Ushrio cholerae (strain N)6951 se C; Date 1: 18-Aug-2000 #sequence_revision 20-Aug-2000 #text_charge 02-Feb-2001 C; Accession: B82042 R; Heidelberg, J.F.; Eisen, J.A.; Nelson, W.C.; Clayton, R.A.; Gwinn, M.L.; Dodson, R.R.; Hendelberg, M.D.; Vanathevan, J.; Rass. S.; Qin, H.; Dragol, I.; Seller: N.R.; Mekalanos, J.J.; Venter, J.C.; Fraser, C.M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A:Residues: [1438 <BEI>
A:Cross-references: GB:AE004337; GB:AE003852; NID:99657.07; FIUN:AAP95853.1; GSP58:G
A:Experimental source: serogroup Ol; strain NI6961; biotype El Tor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        XID:46634992; PID:4764243; GSPDB:GN00009;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            A:Title: DNA Sequence of both chromosomes of the cholera pathogen Vibrio cholerae. A:Reference number: A82035; MUID:20406833; PMID:10952361 A:Accession: B82042 A:Status: preliminary A:Molecule type: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0
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Cibace: Despisos 48 sequenco_revision io-Sup-1999 #Lext_change 19-Apr-2032

Ciachession: S46459

Ribowman, S.; Churcher, C.

Authorited to the BMBL Data Library, Sept.ember 1954

AiReference number: 848455

AiReference number: 848469
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A:Map position: 9L
0:Superfamily: Archaeoglobus fulations conserved bypothetical protein AF1863
                                                                                                                                                Gaps
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F:155-17:/Jomain: transmembrane *status predicted <TMI>F:534-350/Jomain: transmembrane *status predicted <TM2>
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85;
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Fred. No. 88;
1; Mismatches
                                                                                     5:
                                                                                     30 CB
                                                                                                                                             Mismatches
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A.Cioss-references: GB:247047; EMBL:ZR:25;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 31;
Pred. No.
                                                                                     Score 31;
Pred. No.
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83.38;
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83.3%;
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A;Cross:references: SGD:SC001355
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Best Local Similarity 83.37
Thas 5: Conservative
                                                    Guery Match
Best Local Similarity 83.37
S; Conservative
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287 GRGETP 292
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Best Local Similarity
Matches 5; Conserv
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A:Map position: 1
                           A; Gene: VNG1149C
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C:Genetics
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Cispedies: Halobucterium sp. NRC-1
Cispedies: Halobucterium sp. NRC-1
Cidesti Oz-Peb-2001 #sequence_revision 02-Peb-2001 #text_change 02-Peb-2001
CiAccesion: 68420
CiAccesion: 68420
FRNG, W.V.; Kennedy, S.P.; Mahairas, G.G.; Berquist, B.; Pat, M.; Shukla, H.D.; Lasky, S.
F.NG, W.V.; Kennedy, S.P.; Mahairas, G.G.; Berquist, B.; Pat, M.; Shukla, H.D.; Lasky, S.
Leithauser, B.; Keller, R.; Cruz, R.; Danson, M.J.; Bough, D.W.; Maddocks, D.S.; Jable
Jung, K.H.; Alam, M.; Freitas, T.
Proc. Natl. Acad. Sci. U.S.A. 97, 12176-12181, 2000
Avaithors: Hou, S.; Daniels, C.J.; Dennis, P.P.; Ormer, A.D.; Ebhardi, H.; Lawe, T.M.; Li
Avaithors: Hou, S.; Daniels, C.J.; Dennis, P.P.; Ormer, A.D.; Ebhardi, H.; Lawe, T.M.; Li
A.Reference number: A84160; MUID:20504461; PMID:11016950
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Aintrons: 90/1; 129/1: 184/1; 236/1
C;Superfamily: fibronectin: fibronectin type I repeat homology; fibronectin type II repe
C;Superfamily: fibronectin: fibronectin type II repeat homology (fragment) <FN31>
F:1-82/Domain: fibronectin type III repeat homology (fragment) <FN31>
F:90-172/Domain: fibronectin type III repeat homology <FN33>
F:167-169/Region: cell attachment (R-G-D) motif
F:184-266/Domain: fibronectin type III repeat homology <FN35>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    A:Molecule type: DNA
A;Residues: 1-273 «KCV)
A;Residues: 1-273 «KCV)
A;Rote: the authors translated the codon CCG for residue 190 as Gla, CAG for residue 24;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Rikubomura, S.: Obara, M.: Karasaki, Y.: Taniquehi, H.: Gotth, S.: Tsuda, T., Bianshi, Biochim. Biophys. Acta 910, 171-181, 1987.
Affille: Genelic analysis of the citl binding domain region of the citlerance. Azaference number: AZ8512: MUID:88050950: PMID:2823899.
A;Accession: A28512.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  fibronectin - chicken (fragment)
Cispecies: Gallus quallus (chicken)
Cibte: 31-Dec.1988 #sequence_revision si-Dec-1988 #sext_change zu-Ang 1990
CiAccession: A28512
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Dength 273;

88.6%; Score 31; DB 2; 83.3%; Pred. No. 53;

Ouery Match Best Local Similarity 63.14 That 5; Conservative

166 GRGDSP 171

RESULT 9

1 GRCDTP 6

ò 3 A; Residues: 1-399 <STO>

A:Status: preliminary A:Molecule type: DNA A:Accession: 384270

i; Mismatches

0; Indels

isochorismate synthase [imported] - Malobacterium sp. NEC-1
C;Species: Halobacterium sp. NEC-1
C;Date: 02-Feb-2001 #soquenco_revision C2-Feb-2001 #text_chauge 02-Feb-2001

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C.Species: Escherichia coll
C.Date: 16-Feb-2001 #sequence_revision 16-Feb-2001 #text_change 14-Sep-2001
C.Accession: D85525
R.Perra, N.T.: Plunkett III, G.: Burland, V.: Mar., H.: Glasner, J.D.: Rose, D.J.: May
R.Perra, N.T.: Plunkett III, G.: Burland, V.: Mar., H.: Glasner, J.D.: Rose, D.J.: May
R.Perra, N.: Grotbeck, E.J.: Davis, N.W.: Lim, A.: Dimalanta, E.: Potamousis, K.: Apoda
Nature 409, 529-533, 2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A.Status: preliminary
A.Molecule type: DNA
A.Residues: 1-515 <STO>
A.Cross-references: GB.AE505174; NID:g12513137; PIDN:AAG54664.1; GSPDB:GN00145; UNGP:
A.Experimental source: strain 0157:H7, substrain EDL933
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              probable oxidoreductase subunit yahF [imported] - Escherichia col! (strain 0157 H7,
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                                                                  Augross-references: GB:BA000007; PIDN:BAB33792.1; FID:41x359826; GSPUB:GNC0154
A:Experimental source: strain 0157:H7, substrain NIMO 0509992
                                                                                                                                                                                                                                                                                               Gaps
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Pred. No. 1e-02:
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Pred. No. 1#+02;
1; Mismatches
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Job time : 16 secs
                                                                                                                                                                                                                         88.68;
83.38;
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Best Local Similarity 83.3
Matches 5, Conservative
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Best Local Similarity
Thes 5; Conserva
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                                 1-515 <HAY>
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A. Molecule type:
                                                                                                                                    C.Genetics:
A.Gene: ECs0369
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R/NG, W.V.; Konnedy, S.P.: Mahairas, G.G.: Berquist, B.; Jan. M.: Scuklu, B.D.: Jasky, B.

R/NG, W.V.; Konnedy, S.P.: Mahairas, G.G.: Berquist, B.; Jan. M.: Scuklu, B.D.: Jasky, B.

Jung, K.B.: Alam, M.; Frettas, T.

Proc. Natl. Acad. Sci. B.S.A. 97, 12176-12181, 2006

A/Authors: How, S.: Dantels, C.J.: Dennis, P.E.: Omer, A.E.: Ebharct, B.: Jowe, T.M.: Li

A/Itle: Genome sequence of Halobacterium species NRC-1.

A/Reference number: A84166; MUID:20584483: PMH:111916950
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     A:Cross-references: EMED:090909; GB:ABO013/9; NTD:01552844; PIIN:FAA17976.1: FID:01665288
A:Note: the nucleotide sequence was submitted to the EMBL Data Library. June 1996
C:Superfamily: Escherichia coil Lidt protei:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RiKaneko, T.; Sato, S.; Kotani, H.; Tanaka, A.; Asamizu, E.; Nakamura, Y.; Miyajima, N.;
K.; Okumira, S.; Shimpo, S.; Takenchi, U.; Wada, T.; Watanahe, A.; Yanada, N.; Yasada
DNA Res. 3, 109-136, 1996
A;Title: Sequence analysis of the aenom of the unicellular eyanobacterium Synethocystia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      :
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Gaps

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Indels

0

: Mismatches

Score 31; DS 2; Length 441; Pred, No. 89;

88.5%;

Query Match Best Local Similarity 85... 5. Conservative

A; Gene: menF C; Genetics:

A;Status: preliminary A;Molecule type: DNA A;Residues: 1-441 <STO:

271 GRGDSP 276

1 GRGDTP 6

ð a C:Species: Synechocystis sp.
A:Variety: PCC 6603
C:Date: 29- Jan.1999 #sequence_revision 29-Jan-1999 #text_change 16-Jun-2006

A; Reference number: \$74322; MUID: 97051201; PKID: 8905231

A; Molecule type: DNA A; Residues: 1-463 <KAN>

A; Accession: 874845

\$74845 tldD homolog slr0863 - Synechocystis sp. (strain PCC 6803)

C.Accession: A99675
Haysahi, T.; Makino, K.; Ohnishi, M.; Kurokawa, K.; Ishii, K.; Yukoyaca, K.; Han, C.G. Basawara, N.; Yasunaga, T.; Kuhara, S.; Shiba, T.; Hattori, M.; Shinagawa, H.; DNA Res. B., 11-22, 2001
NA Res. B., 11-22, 2001
A:Title: Complete genome sequence of enterohemorrhagic Eschetichia coli (157:H7 and genome A;Reference number: A99629; MUID:21156231; PMID:11258796

A:Status: preliminary

probable oxidoreductase subunit 8180369 (imported) - Escherichia co.: (strain C;Species: Escherichia coli C;Date: 18-Jul_2001 *sequence_revision 18-Jul-2001 *text_change 18 Jul-2001

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Overy Match Best Local Similarity 83,30 Fine 5: Conservative

352 GRGETP 457

RESULT 14

1 GRGDTP 6

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GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compagen Ltd.
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using sw model protein - protein search, September 16, 2003, 18:13:27 ; Search time 12 Seconds
(without alignments)
23:513 Million cell updates/sec Run on:

US-09-780-612A-1 35 Title: Perfect score:

i GRGDTP 6

Seque::ce:

BLOSUM62 Gapop 10.0 , Gapext 6.5 Scoring table:

47026705 residues 127853 seqs. Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0 Maximum DB seq length: 200999900

Post-processing: Minimum Match 0%

Maximum Match 100% Listing first 45 summaries

SwissProt_41:* Database :

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the tesult being printed and is derived by analysis of the total score distribution.

SUMMARIES	DB ID Description	1 HUPK_RHILV	1 S3B1_HUMAN 075533 hom	1 S381_MOUSE 099nby mus mascul	1 S3B1_XENLA 057683	1 RL7A_CHICK P32429 qallüs	I MB22_ARATH 080950 arabid	1 PAT2_CAREL P34446	: YIK3_YEASI P4C487	1 Y863_SYNY3 P73754	1 FINC, CHICK P11722	1 FINC_PLEWA 091289	FINC_BOVIN	1 FINC_HUMAN PC2751	1 FINC_MOUSE F11276	1 FINC_RAT PG49	1 FINC_XENLA 091740	: GC32_HALN1	1 RFBD_SHIFL P37778	1 CATB_BOVIN F07688 bos tau	1 CATB_HUMAN P07858 home	1 CATB_MOUSE P10605	1 CATB_RAT P00787 ratt	1 ACH3_RAT PO4757 #	1 NADB_STRCO	1 HS70_DA3CA P26791 d	1 SM6A_HUMAN Q352e6	1 RISB_MYCLE 09ccp3	1 RSBA_ECOLI P38106	1 NHAB_RHOSO	1 CRIA_REDCA	: RT28_YEAST	: POL_SMSAV POS3	
	Length	370	1304	1304	1307	265	458	1226	425	463	1256	1328	2265	2386	2477	2477	2481	253	588	335	339	339	339	499	580	655	1030	160	216	235	241	286	294	
œ	Ouery Match	: 8	100.0	00	00	91.4	91.4	91.4	88.6	9.88	88.6	9.88	88.6	88.6	88.5	88.6	88.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	82.9	92.9	82.9	82.9	82.9	82.9	
	Score	35	35	35	35	32	32	32	31	31	31	31	31	31	31	37	31	30	30	30	30	30	30	30	30	30	30	29	58	53	29	29	53	
	Result No.		7	8	4	2	9	7	ထ	S	10	17	12	13	14	15	16	17	18	9	20	21	22	23	24	25	52	27	28	29	30	31	32	

A -> R (IN REF. 1). : ED17BC76E52F28C9 CRC64;

38751 MW:

240

PIR, S27344; S27344. CONFLICT 240 2 SEQUENCE 370 AA;

EMBL; X52974; CAA37158.1; -. EMBL; Z36981; CAA85440.1; -.

								31 homo sapien		_	
20172	P5482	556 Pd	P3136	P5949	09594	P7974	P5077	P05181	P5158	0.0542	20518
GAS1_MOUSE	GAS1_HUMAN	RECF_CAUCK	POUL BRARE	LMB1_VIBPA	TBX6_HUMAN	2P23_BRARE	VE2_HPV24	CPE1_HUMAN	CPE1_MESAU	CPEL_MOUSE	CPEL_RAT
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343	345	387	425	432	436	443	467	493	463	453	493
82.9	82.5	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.5	82.5
29	56	58	58	58	58	58	58	58	58	58	58

ALIGNMENTS

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                                                                                                                                                                                                                            Boy L. Hidalgo E., Falacios J.M., Reiz-Archeso T.; "Nucleotide Sequence and organization of an Hiz uptake some cluster from Rhizobium leguminosarum by viciac containing a ribredoxin-like gene and four additional open reading frames."; J. Mol. Biol. 228:998-1002(1992).

[2]
SROJENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                            MEDLINE-95020662; PubMed-7934943; Imperial J., Rey L., Ruiz-Arguesc T.; Imperial Juney Holympia Rey L., Ruiz-Arguesc T.; Inperial hydrogenese-ancillary protein from Shizobium leguminosarum, shares structural motifs with the large subunit of Nike hydrogenases and could be a scaffolding protein for hydrogenase metal cofactor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Bacteria, Proteobacteria, Alphaproteobacteria: Rhizobiales,
Rhizobiaceae, Rhizobium/Aqrobacterium group: Rhizobium
NCBI_TaxID+387,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mol. Plant Microbe Interact, 8:235-240(1997).
                             01-JUL-1993 (Rei. 26, Created)
01-FFB-1996 (Rei. 33, Last sortence update)
F-MXY-2000 (Rel. 39, Last annotation opdate)
Hydrogenase expression/formation protein hupk.
375 AA
                                                                                                           Rhizobium leguminosarum (biovar viciae)
 FRT;
                                                                                                                                                                                                                                                                                                                                                                                                                            assembly.";
Mol. Microbiol. 9:1305-1306(1993).
                                                                                                                                                                                                                     MEDLINE-93108466; Pubmed-1469733;
 STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                           [3]
SEQUENCE FROM N.A.
                                                                                                                                                                                       SECUENCE FROM N.A.
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             P28153:
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                                                                                                                                                                                                                                                                                                                                                                          16-0CT-2001 (Re). 45, Created)
16-0CT-2001 (Re). 45, Last sequence update)
16-0CT-2001 (Re). 40, Last annotation update)
Splicing factor 3B subunit 1 (Spliceosome associated protein 155) (SAP
155) (SF3B155) (Pre-mRNA splicing factor SF3B 155 kDa subunit).
SF3B1 OR SAP155.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Wang C., Chua K., Seghezzi W., Lees E., Gozani G., Roed R., "Phosphorylation of spliceosomal protein SAP 155 coupled with splicing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SUBCELLULAR LOCATION: NUCLEAR SPECKLES. DURING NITOSIS, TRANSIBENTLY DISPERSED FROM THE NUCLEAR SPECKLES ID THE CYTOGLASH. PTM: PHOSPHORYLATED. PHOSPHORYLATION CHOCKS CHACKLERT WITH THE CATALYLIC STEPS OF SPLICING.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Eukaryota, Metazoa, Chordata, Craniata, Vertobrata, Buteleostomi,
Mammalia, Eutheria, Primates, Cararrhini, Hominidae, Homo,
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0
      Decent. 370;
                                                               Indels
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Submitted (JJN-1998) to the EMBL/GenBack/EDBJ databases
                                                               :0
      DB 13
                           3.2:
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                                                                                                                                                                                                                                                                                                                            1504 AA
                                                               0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE FROM N.A., AND PROSPHORYLATION.
MEDLINE-98252826; Pubmed-9585501;
   100.0%; Score 35:
100.0%; Pred, No.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MEDLINE-20337962; PubMed-16862114;
Das R., 2hou Z., Reed R.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    EMBL; AF054284; AAC97189.1; -. EMBL; AF070540; AAC28633.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE OF 1011-1304 FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Genes Dev. 12:1409-1414(1998).
Query Match 100.
Best Local Similarity 100.
Matches 6; Conservative:
                                                                                                                                                                                                                                                                                                                            STANDARD:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Homo sapiens (Human).
                                                                                                                                                                                163 GRGDTP 168
                                                                                                                      1 GRGDIP 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NCBI_TaxID=9506;
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075533;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Splicing factor 3B subunit 1 (Spliceosome associated protein 155) (SAP 155) (SF3b155) (Pre-mRNA splicing factor SFP 155 KDa subunit). SF3B1 OR SAP155.
                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Eukaryota, Metazoa, Chordata, Craniata, Verrebiata, Eureleostomi)
Mammalla, Eutheria, Rodentia, Sciurognathi: Muridae, Murinae, Mus.
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                                                                                                                                                        Spliccosome: mRNA processing, eRNA splicing, Niclear protein;
Phosphorylation, Repeat.
SEGUENCE 1304 AA: 145814 NK: 4CDE21A6269165A7 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Spliceosome: mRNA processing; mRNA splicing; Nuclear protein;
                                                                                                                                                                                                                                                                 is Length 1304;
                                                                         GO:0005681; C:spliceosome complex: NAS.
GO:0008248; F:pre-mRNA splicing factor activity: NAS.
GO:0006371; P:mRNA splicing: NAS.
                                                                                                                                                                                                                                                                                                                       Indels
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-!- SIMILARITY: BELONGS TO THE SF3B: FAMILY.
-!- SIMILARITY: Contains ? HEAT repeats.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  16-00T-2001 (Rel. 40, Created)
16-00T-2001 (Rel. 40, Last sequence update)
16-00T-2001 (Rel. 40, Last annotation update)
                                                                                                                                                                                                                                                                 100.0%; Score 35: DB 100.0%; Pred. No. 13;
                                                                                                                                                                                                                                                                                                                       0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               EMBL; AB037890; BAB40140.1; -.
                                                                                                                                                                                                                                                                                                                       Conservative
HGNC:10768; SF3B1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STANDARD;
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                                                                                                                                                                                                                                                                                                                                                                                                      :11111
259 GRGDIP 274
                                                                                                                                                                                                                                                                                        Best Local Similarity
Matches 6; Conserv
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                                                                                                                                                                                                                                                                                                                                                                             1 GRGDIP 6
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Genew, HGNC:10
GK: 075533; -
MIM: 605590;
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099NB9;
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Phosphorylation: Repeat

(4)

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MB22_ARATH
080956;
                                                                                            RL7A_CHICK
P32429;
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                                                                                                                                  STANDARD BEAR AND COORDED OF THE CARREST AND COO
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I woll biol Cell 9:143-16(1998).

I woll biol Cell 9:143-16(1998).

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16-007-2001 (Rel. 40, Inst. soquence update)
16-007-2001 (Rel. 40, Inst. soquence update)
5plicing factor 3H suburil. I (Spliceosome associated protorn 155) (SA)
155) (SPBDS) (Premiska splicing factor SPS» 155 kb; simint; (146
Kba nuclear protein); (African classed frog).
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Schmidt-Zachmann M.S., Knockt S., Kraemer A.:
"Molecular characterization of a novel, widespread nuclear protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Eukaryona, Metazoa, Chordata, Craniata, Vertebraia, Sureleosfomi,
Amphibia: Batrachia, Anura, Mesobatrachia, Pipollea, Pipicae;
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                                                                                            160.0%; Score 35; DB 1; Length 1304; 1600.0%; Pred, No. 13;
                                                                                                                                                                  Indels
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                            1304 AA; 145816 NW; 12P051757D2A2DEE GRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPLEX (UZ SNRNP) (By similarity).
--- SUBGENLADAR LOCKTION: NACLOR:
--- SIMILARITY: BELONGS TO THE SF381 FAMILY.
--- SIMILARITY: Contains ? HEAT repeats.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRT; 1302 AA.
                                                                                                                                                           0: Mismaiches
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                                                                                                                               Local Similarity 100.
nes 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STANDARD;
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                                                                                                                                                                                                                                                                     111:11
269 GRGDTP 224
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057683;
                               SEQUENCE
                                                                                                   Query Match
                                                                                                                                                                  Matches
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272 GRGDTP 277

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Archosauria, Aves, Neoquathae, Galliformes, Phasianidae, Phasianinae,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Maeda N., Kenmochi N., Tanaka T., "The complete nucleotide sequence of chicken ribosemal protein i.aa qene and the multiple factor binding sites in its 5° Hanking
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MEDINE-92335297; PubMod-163131;
Colombo P., Yon J., Garson K., Pried M.;
"Conservation of the organization of five jightly riustered genes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     !! SIMILARITY: BELONGS TO THE LZAE FAMILY OF RISOSOMAL PROTEINS.
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07E312C639BB5655 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    over 600 milion years of divergent evolution.";
Proc. Natl. Acad. Sci. U.S.A. 89:6358-6362(1992)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   91.4%; Score 32; DH 1; 83.3%; Pred. No. 10;
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16-CCT-2001 (Rel. 40. Last annotation update)
17-CST nase binding protein-like At2q39310.
At2G39310 OR T16824.5.
                                                                                                 01-5CT-1993 (Rel. 27, Created)
51-6CT-1993 (Rel. 27, Last sequence updato)
01-FEB-1996 (Rel. 33, Last annotation update)
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265 AA
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Interpro; IPR04037; Ribosomal_;7AP.
Ffam. PF01248; Ribosomal_L7AP.
PRINTS; PR00881; L7ARS6FAMILY.
PROSITE; P$01082; RIBOSOMAL_L7AE: 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MEDLINE=94100270; PubMed-8274530;
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                                                                                                                                                                                                                                                                 60S ribosomal protein L7a.
RPL7A OR SURF-3.
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STANDARD:
                                                                                                                                                                                                                                                                                                                                                                             Gallus gallus (Chicken).
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Bukaryota, Viridipiantae: Streptaphyta; Emoryaphyta; Trachegory e
Spermatophyta; Madollophyta; endropty adens; core e circos; Rosidae;
eurosids II; Brassleales: Brassleaceae; Arabidopsis.
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Rhabditidae; Peloderinae: Caenorbabditis.
                                                                                                   MEDELINE, 2008 4887; Putred-los/1997; Shea T.F., Recito M. L., Town C.B., Buji C.Y., Nason S.E., Shea T.F., Barnstean M.E., Beddingum T.V., Puji C.Y., Mason T.M., Ree J.G., Barnstean M.E., Beddingum T.V., Buell C.R., Kerchum K.A., Lee J.G., Reminn C.M., Koo H.L., Moffat K.S., Cronin L.A., Shon M., Pai G., Van Aken S., Umayam L., Tailon L.J., Gill J.E., Adams M.D., Carrera A.J., Creasy T.H., Goodman H.M., Somerville C.K., Copenhuver G.P., Prouss D., Wierman M.C., White O., Elson J.A., Salzberg S.L., Froser C.M.,
                                                                                                                                                                                                                                    'Sequence and analysis of chromosome 2 of the plant Arabidopsis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         91.4%; Score 32; DB 1; Length 458;
83.3%; Pred. No. 18;
tive 1; Mismatches 6; indels
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Pfam: PF01419; Jacalin; 3.
Lectin; Ropeat: Multiqune family.
SEQUENCE 458 AA; 56463 MW; FB01A410563EAAF8 CRC64;
                                                                                                                                                                                                                                                          Nature 402:761-768(1999).
-!- SIMILARITY: BELONGS TO THE JACALIN LECTIN FAMILY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       01-FFB-1994 (Rel. 28, Created)
01-FEB-1994 (Rel. 28, Last Sequence update)
28-FEB-2003 (Rel. 41, Last amotation update)
PAT-2 OR F54F2...
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MEDLINE=94150718; Pubmed 7996398;
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HSSP: P18674; 1JOT.
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Best Local Similarity 83.3
Matches 5: Conservative
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                                                                                           Columbias
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                                                                                                                                                                                                                        Venter J.C.;
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P34446;
                                                                                                                                                                                                                                                    thaliana.
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                                          V. GRADS. :
Nature 366:32-36(1994)
Nature 366:33-36(1994)
Nature 366
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^{\pm}2.2 Mb of contiguous suchechide sequence that chromosome LH of C. elecats. ^{\circ}_{\rm c}
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(POTENTIAL).
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Eukaryota, Fungi, Ascomycota, Saccharomycotina: Saccharomycetes:
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SMART: SMO0191; Int_alpha; 5.
PRO51TE; PSO0242; INTEGRIN ALPHA; 1.
Entegrin; Cell adhesion: Receptor; Glycoprotein; Transmembrane;
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01-FFB-1995 (Rel. 31, Last sequence update)
15-EBP-2003 (Rel. 42, Last annolation update)
Hypothetical 48.3 KDa protein in MCSI-SGAl intergenic region.
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54;
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EXTRACELLULAR (POTENTIAL)
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N-LINKED (GLCNAC...)
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FG-GAP 5.
FG-GAP 5.
FG-GAP 7.
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Pred. No. 54;
1; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        or send an email to license@isb-sib.ch).
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FG-GAP 3.
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InterPro; IPR000413; Integrin_alpha.
Pfam: PF01839; F6-GAP; 4.
Pfam: PF00857; Integrin_A: 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    EMBL; I.23645; AAK26134.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      91.4%;
83.3%;
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Hest Local Similarity 83.0
Hest Local Si Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STANDARD;
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108
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290
608
679
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HSSP; P05756; lJV2.
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P40487;
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CARBOHYD
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352 GRGETP 357
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                                                                                                                                                                                                                                                                                                                                                             1 GRGDIP 6
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Norton P.A.;
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       This SWISS-PROT entry is copyright. It is produced through a collaboration between the SWISS institute of Bioinformatics and the EMAL obtaint between the Buropean Bioinformatics Institute. There are no restrictions on its mose by non-profit institutions as acquastist content is in no way modified and this statement is not recoved. Wayare by and for commercial entities requires a license introduced. Wayare by and for commercial or send an email to licenselishes the http://www.ikb-sit.ch/announce/or send an email to licenselishes.
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                                                                                                                   Churcher C.M., Bowman S., Baddock K., Bankier A., Hrown E., Chillingworth T., Connor R., Devlin K., Gentles S., Hamin N., Harris D.E., Horsnell T., Hint S., Javels K., Jones M., Lyo G., Moule S., Cidell C., Pearson D., Bankream M.A., Kice F., Rowiey N., Skelton J., Smith V., Waish S., Whitehead S., Barrell S.G.: "The nucleotide sequence of Saccharomyces cerevisiae chromosome IX.",
                                                                                                                                                                                                                                                                    --- SIMILARITY: TO VEAST DIPHTSRIA TOXIN RESISTANCE PROTEIN 2 (DPS2), TO S.POMBE SPACHSF4 150, SPBC388.05, TO C.ELEGANS CU9G5.2, CLAEL AND M.JANNASCHII MG0483.
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Kaneko T., Sato S., Kotani H., Tanaka A., Asamiz; E., Nakamiri V.
Miyajima N., Hirosawa M., Sajaiura M., Sasamovo S., Kimira T.,
Miyajima N., Hirosawa M., Sajaiura N., Naraok K.,
Okumura S., Shimpo S., Takeuchi C., Wada T., Watanabe A.,
Yamada M., Yasuda M., Tabata S.,
Sequence analysis of the aconome of the unicellular cyanchacterium
Synechocystis sp. straim PCC6803. II. Sequence dotermination of the
entire genome and assignment of potential protein coding regions.",
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425 AA: 46310 MW: 2389385280306722 CMC64;
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NCBI_TaxID=1148;
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SIMILARITY: BELONGS TO THE TLOD/PMBA FAMILY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      88.6%; SCORE 31; DP 1;
83.5%; Pred, No. 28;
ive 1; Mismatches 4
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15-JUL-1998 (Rel. 36, Last sequence update)
28-FBB-2003 (Rel. 41, Last annotation update)
Hypotherical protein slr0863.
SLR0853.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 InterPro, 108002728: Diphthamide_syn. Pfam: PF01866: Diphthamide_syn; L. ProDom: PD064399; Diphthamide syn: 1. IIGRFAMS: TIGRP0322: diphthamide syn: 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Synechocystis sp. (strain PCC 6803).
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Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STANDARD:
                                                                                                                                                                                                                                                               Nature 387:84-87(1997).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  S0001365: YILLOSW.
                                                               PubMed-9169870;
Churcher C **
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                                                   SEQUENCE FROM N.A.
NCBI_TaxID-4932;
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P73754;
15-JUL-1998 (
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modified and this statement is not removed. Usage by and for connercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
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PUNCTION: FIBRONECTINS BIND CELL. SURFACES AND VARIOUS COMPOUNDS INCLUDING COLLAGEN, FIBRIN, HEPARIN, DNA, AND ACTIN. FIBRENECTINS ARE INVOLVED IN CELL ADHESION, CELL, MOTILLY, OPSCHIZATION, WOOND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gallus gallus (Chicken).
Bukaryota: Metazoa; Chordata: Craniata; Vertebrota; Enteleostomi;
Archosauria; Aves; Neognathae: Gallitormes; Phasianidae; Phasianinae;
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Norton P.A., dynes R.O.;
"Alternative splicing of chicken fibronectin in embryos and in normal
and transformed celis;":
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
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MEDLINE-96183658; PDDMed-8603103.
MEDLINE-86183658; PDDMed-8603103.

"The exon encoding the fibronectin type III-9 repeat is constitutively included in the mRNA from chick limb mesenchyme and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MEDLINE=88050950; PubMed-2823899; Subchuse 8., Obtan M., Katasaki Y., Taniquchi H., Gotoh S., Tsubchus S., Obsara M., Katasaki Y., Taniquchi H., Gotoh S., Silanda T., Higashi K., Obsato K., Hianch H., "Genetic analysis of the childhigh domain region of the childhear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Hilfano H., Yamada Y., Sullivan M., de Crambrugghe B., Pastan I.,
Yamada K.M.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Isolation of genomic DNA closes spanning the entire tibronectin
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O
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                                                                                                                                                                    PIR; S74845; S74845.
InterPro; IPR002510; PmbA_Tldb.
Pfam; PF01523; PmbA_Tldb: 1.
Ppothetical protein; Complete proteome:
SEQUENCE 463 AA; 50369 WW; 220173676765A32; CRC64;
                                                                                                                                                                                                                                                                                                                                                                                88.6%: Score 31, DB 1;
83.3%; Pred. No. 31;
ative 1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             01-02T-1989 (Rel. 12, Created)
01-02T-1989 (Rel. 35, Last sequence speate)
01-NOV-1997 (Rel. 35, Last annotation update)
15-SEP-2003 (Rel. 42, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Proc. Natl. Acad. Sci. U.S.A. 80:46-50(1983).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MEDLINE=83117850; PubMed=6572007;
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                                                                                                                                      EMBL; D50909; BAA17806.1; -.
                                                                                                                                                                                                                                                                                                                                               Cuery Match
Hest Local Similarity 83.5%,
Hest Local Similarity 83.5%,
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EMBL: V00432: CAA24714.;; -.
EMBL: 021327: AAA71566.; -.
EMBL: X05533: CAA27911.; -.
EMBL: M26186: AAA4872.;; ALC_SEO.
EMBL: U20386; AAA01062.1; -.
                                                                                                                                                                  Interpro: IPSC00083; Fibrnct:.1.
Interpro: IPR003961; FN_III.
Interpro: IPR00362; FN_IYPE_II.
Interpro: IPR003962; FN_II_subd.
PRINTS: PR00014; FNYYPEII.
SWART: SM00068; FN:: 3
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495
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781
871
961
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PIR; S71465; S71465.
HSSP; P02751; 1FNH.
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DOMAIN
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                                                                                                                                                                                                                                                                                                                              FIBRIN-BINDING 2 (RY SIMILARITY).
FIBRONECTIN TYPE-11.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         -:- SIMILARITY: Contains at least 3 fibromectin type I domains.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PROSITE; PS00022; ECF_1; 1.
PROSITE; PS01253; FIBENOUTIN_1: 1.
Glycoprotein; Plasma; Heparin-binding; Acute phase; Cell adhesion;
Repeat.
                                                                                                                                                                         [MoV-1997 (Rel. 35, Created)

"INOV-1997 (Rel. 35, Last sequence update)

[Mov-1997 (Rel. 35, Last amountion update)

Fibromectin (FN) (Fragment).

Fibromectin (FN) (Fragment).

Four-codelos walklin (Therian ribbed newt).

Fukaryota, Metazoa, Chondata, Chanista, Vertubrata, Esteleostomi,

Amphibia; Batrachia; Caudata, Salamandroideu; Salamandridae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                HEPARIN-BINDING 2 (BY SIMILARITY).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   BY SIMILARITY,
CELL-ATTACHMENT,
                                                                                                                                               PRI; 1328 AA.
 Pred. No. 92;
l; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      or send an email to licensedisb-sib.cm).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                BKBL, X66813; CAA47292.1; -. HSSP; B02751; IFNH, LINCEFEC; IFR006209; EGE_like. InterPro; IPR003083; Fibrnoth InterPro; IPR003961; FN_III. InterPro; IPR003961; FN_III. EnterPro; IPR003961; FN_III. Plam; PP00639; Inl; 31.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRINTS: PR00014; FNTYPEIII.
SMART: SM00058; FN1; 3.
SMART: SM00060; FN3; 9.
Best Local Similarity 83.5 Matches 5; Conservative
                                                                                                                                               STANDARD:
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                                                                          492 GRGDSP 497
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                                             1 GRGDTP 6
                                                                                                                                                                                                                                                                                           NCBI_TaxID-8319;
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                                                                                                                    RESULT 11
                                                                                                                                                                            This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL cutstation the European Bioinformatics Institute. There are no restrictions of its mose by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license element (See http://www.isb-sib.ch/announce/or send an email to license@fist-sib.ch).
 HEALING, AND MAINTENANCE OF OELL SHAPE.
SCHUNT: MOSTLY HETERODINERS ON WHITIMERS OF ALIERNATIVELY SHIJFED YARIANTS, CONNECTED BY 2 DISULFIDE BONES NEAR THE CARRENYL ENDISHING A LESSER EXTEND HORODIMERS.
ALIERNATIVE PRODUCTS:
                                                                                                                                     Event-Alternative splitting, Named Isoforms 1: Commerce of Isoforms are produced. Each of the "extra domain" and the connecting strand 3 are present in some forms fibronectin and absent to others;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FIBRONECTIN TYPE-III (EXTRA DOMAIN 1)-FIBRONECTIN TYPE-III (EXTRA POMAIN 2)-FIBRONECTIN TYPE-III (EXTRA POMAIN 2)-FIBRONECTIN TYPE-III.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FIBRONECTIN TYPE-111.
CONNECTING STRAND ( (OS-3) (V RESIGN)
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CELE ATTACHMENT SITE.
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BY SIMILARITY.
BY SIMILARITY.
N-IINKED (GLUNAC.
O -> P (IN REF. 4)
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TO A LESSER EXIEND HOMODIMERS.
                         ALTERNATIVE PRODUCTS:
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314
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HSSP; P02751; 2FN2
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    BY SIMILARITY.
INTERCHIN (WITH 1324 OF OTHER CHAIN) (FY SIMILARITY).
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-!- FUNCTION: FIBRONECTINS BIND CELL SURFACES AND VARIOUS COMPGINGS

-!- FUNCTION: FIBRONECTINS BIND CELL SURFACES AND VARIOUS COMPGINGS

INCLUDING COLLAGER, FIBRIN, HEPARIN, DNA, AND ACTIN. FIBRONECTINS

ARE INVOLVED IN CELL ADDRAW CELL SURVE.

-!- SUBDNIT: MOSTLY HETERODIMERS OF MULTIMENS OF ALTERNATIVELY SUCCED

VARIANTS, CONNECTED BY 2 DISULFICE BONES NEAR THE CARBOXYL ENGS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Skorstengaard K., Jensen M.S., Sahl P., Petersen T.E., Magdusson S., "Complete primary structure of bovine plasma ribronection.";
Eur. J. Biochem. 161:441-453(1986).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Petersen T.E., Thorgersen H.C., Skorstengaard K., Vibe-Federsen K., Sabl P., Soltrup-Jensens L., Megausson S.; "Partial primary structure of bovine plasma fibronectin: three typus of internal homology.";
                FIREMENT TYPE-III.
FIREMECTIN TYPE-III.
FIREMECTIN TYPE-III.
COMNECTING STRAND 3 (CS-3) (V REGION).
FIREMECTIN TYPE-III.
FIREMECTIN TYPE-III.
FIREMECTIN TYPE-III.
FIREMECTIN TYPE-III.
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MEDITURE 81221567; PubMed=6304699;
Kornblibtt A.B., Vibe-Pedersen K., Baralle F.E.;
"Isolation and characterization of cDNA clones for human and hevine fibronectins.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Eukaryota, Matazoai Chordata, Cramiata, Vertebrata, Esteleostemi,
Mammaila, Eutheria, Cetartiodaetyla, Ruminantia, Penera, Pevoldea,
Bovidae, Bovinae, Bos.
    FIBRONECTIN TYPE-III (EXTRA DOMAIN)
                                                                                                                                                                                                                                                                                                                                                                                                     SIMILARITY),
CELE ATTROHENT SITE,
N-LIKEED (GIGNAC, ...) (POIENTIAL)
MW; ERIEFFYGGRAIDIE74 CROG4;
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Pred. No. 98: 0: Indels
T: Nismatches 0: Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Oreated)
Last sequence update)
Last annotation update)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PARTIAL SEQUENCE.
MEDLINE-83117805; PubMed-6218503;
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01-FEB-1994 (Nei. 28,
15-SEP-2003 (Nei. 42,
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89 8
1328 AA:
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Best Local Similarity
Matches 5: Couserv
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1324
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P07589;
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FINC_BOVIN
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                                                          Comment-A number of isoforms are produced. Each of the "extra
domain" and the connecting strand 3 are present in some forms of
                                                                                                                                                                                                                                                                                                                                                              -:- TISSUB SPECIFICITY: PLASMA EN (SOLUHLE DIMERIC FORM) IS SECRETED BY HEPATOCYTES. CELJULAR FN (SOLUHLE DIMERIC FORM) IS SECRETED BY HEPATOCYTES. CELJULAR FN (STANGER OF CHUSS-SINKED MATERIC FORMS), MADE BY FIROHARSIS, EPITHELIAL AND STHEK CELL TYPES, IS DEPOSITED AS FIBRILS IN THE EXTRACELLUIAR MATERIX.
-:- FIM: SCLEATED (BY SIMILARITY).
-:- SIMILARITY: Contains 12 fibromectin type II domains.
-:- SIMILARITY: Contains 15 fibromectin type III domains.
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PROSITE: PS00023; FIBRONECTIN_2; 2.
GLYCOPICOLOR: PS01253; FIBRONECTIN_1: 12.
GLYCOPICOLOR: Plasma; Heparin-binding: Acute phase; Phosphorylation; Sulfaction: Cell adheaton: Repeat; Alcornative spiloting;
Byrrolidone carboxylic acid. PYPROLIDONE CARBOXYLIC ACID.
MOD_RES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FIBRIN- AND HEPARIN-BINDING
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FIRRONECTIN TYPE-1 1.
PIRRONECTIN TYPE-1 2.
PIRRONECTIN TYPE-1 3.
FIRRONECTIN TYPE-1 4.
FIRRONECTIN TYPE-1 6.
FIRRONECTIN TYPE-1 1.
FIRRONECTIN TYPE-1 7.
FIRRONECTIN TYPE-1 7.
FIRRONECTIN TYPE-1 7.
Event_Alternative splicing, Named isoforms=1;
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HEPARIN-BINDING
                                                                                                                                                                                                                                                                                                                 IsoId=P07589-1; Sequence=Displayed:
                                                                                                                                                                                            fibronectin and absent in others;
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InterPro; IPR005209: EGF_11ke.
InterPro; IPR003003; Fibrneth).
InterPro; IPR003961; FN.III.
InterPro; IPR003962; FN.III.
InterPro; IPR003962; FN.III.
Pfam; PF00040; fn1: 12.
Pfam; PF00040; fn2: 2.
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PKIN'S; PR06014; FNYPPEII.
FroJom; PD000995; FN_TYPE_II; 2.
SMARE: SM00058; FNI: 12.
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ibronectin precursor (FN) (Cold-inscluble globulin) (CIS)
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MECLINE-87175578: Pubmed-3031656;
Dean D.C., Bowlus C.L., Bourgedis S.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       J. Biol. Chem. 257:9593-9597(1982)
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                                                          lomo sapiens (Human).
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                                                                                                                           NCBI_TaxID=9606
                               NI OR FN.
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FIBRONECTIN TYPE-111 8.
PIBRONECTIN TYPE-111 9.
FIBRONECTIN TYPE-111 10.
FIBRONECTIN TYPE-111 11.
FIBRONECTIN TYPE-111 11.
FIBRONECTIN TYPE-111 11.
FIBRONECTIN TYPE-111 14.
CONNECTIN TYPE-111 14.
CONNECTIN TYPE-111 14.
CONNECTIN TYPE-111 16.
FIBRONECTIN TYPE-111 17.
FIBRONECTIN TYPE-111.
FIBRONECTIN TYPE-1 10.
FIBRONECTIN TYPE-1 12.
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FINC_HUMAN STANDARD: PRT: 2386 AA. P02751; 014726; 09H188; 21-JUL-1986 (Rel. 01, Created) 1-JVR-1997 (Rel. 95, Last sequence update) 15-SEP-2003 (Rel. 42, Last annotation update)

RESULT 13 FINC_HUMAN

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Mammalia, Butheria, Primates, Catarrhini, Huminidae, Hord,
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"The three-dimensional structure of the tenth type II: modifie
"Ibronectin: an insight into RGD-mediated interactions."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Balbona K., Tran H., Godyna S., Ingham K.C., Strickland D.K.,
Argraves W.S.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Williams M.J., Phan I., Harvey T.S., Rostagno A., Gold L.I.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ŚTRÚCTURE BY NMR OF 1447-1546.
MEDLINE-92162716; Pubmed-1311202;
Baron M., Main A.L., Driscoll P.C., Mardon H.J., Boyd J.,
                                                                                                                                                                                                                                                                                                                Submitted (MAR-2000) to the EMBL/GenBank/DDBC databases
                                                                                                                                                                                                                                                                                                                                                                                                                                         Proc. Nat.l. Acad. Sci. U.S.A. 82:7160-7164(1985)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CHARACTERIZATION OF FIBRIN-BINDING SITE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Biol. Chem. 269:31938-31945(1994).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Biol. Chem. 267:20129-20125(1992)
Evolution of the fibronectin gene.
                                      Biol. Chem. 261;2113-2116(1986).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mol. Biol. 235:1302-1311(1994).
                                                                        SEQÚENCE OF 1712-1739 FROM N.A.
MEDLINE-87026578; PubMed=3021206;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MEDLINE=94141923; PubMed-8308892;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mol. Biol. 276:177-187(1998).
                                                                                                                                                                                                                        SEÇUENCE FROM N.A. (ISOFORM 2).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STRUCTURE BY NMR OF 406-464.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STRUCTURE BY NMR OF 32-92
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     region of fibronectin.
                                                                                                                                                                                                                                                                                                fibronectin gene.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Cell 71:671-678(1992)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FBLN1-BINDING SITE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PubMed-1400330;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  fibronectin.".
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                                                                                                                                                                                                                                                            Clausen J.;
                                                                                                                                                                                                                                                                                                                                                    SULFATION
                      domain."
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between the Swiss Institute of Bioinformatins and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in ne way modified and this statement is not removed. Usage by and for commercial entitles requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     This SWISS-PROI entry is copyright. It is produced through a collaboration
                                                                                                                                                                                                                                                                                                                                                                                                                      X-RAY CRYSTALLOGRAPHY (2.8 ANGSTROMS) OF 1721-1991.
MEDILINE-9917162. PubMed=10075919.
Sharma A., Askari J.A., Humphries M.J., Jones E.Y., Stuart D.I.;
Crystal structure of a heparin- and integrim-binding scement of human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MEDINE-94166075; PubMed-9120888;
Dickinson C.D., Veerapandian B., Dai X.-F., Hamilis R.C., Xuong N.-H.,
Ruoslahi E., Ely K.R.;
"Crystal structure of the tenth type III cell adhesion module of
human fibronectin.";
J. Wol. Biol. 236:1679-1092(1994).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ISO: d-P02751-1; Sequence-Displayed;
Name=2: Synonyms-MSF-FN76, Migration stimulation lactor FN70;
ISO: d-P02751-2; Sequence-VSF-003255, VSF-003256, VSF-003257;
ISSUE SPECIFICITY: FLASMA FN (SOLUBLE DIMENIC FORM), JS SECRETED
BY HEPATOCYTES, CELLURAR FN (SOLUBLE DIMENIC FORM), JS SECRETED
FORMS), MADE BY FIBROBLASTS, BPITHELIAL AND DIMER CELL TYPES, IS
DEPOSITED AS FIBRIS IN THE EXTRACELLURAR MAIRIX.
                           "IH NMR assignment and secondary structure of the cell adhesion type III module of fibronectia.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
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Vardaryota: Metazoa: Chordata: Craniata: Vertebrata: Enteleostomi:
Mammalia: Eutheria: Rodentia: Sciurograthi: Muridae: Murinac: Mus
NCBI_TaxID=10090;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 -:- SIMILARITY: Contains 12 Libromethin type 1 domains. -:- SIMILARITY: Contains 2 fibromettin type 11 domains. -:- SIMILARITY: Contains 16 fibromettin type 111 domains.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 31: DB 1: Longth 238
Pred. No. 1.9e+02;
1: Mismatches 6: Indels
                                                                                                                                                               X-RAY CRYSTALLOGRAPHY (1.8 ANGSTROMS) OF 1447-1335
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Event-Alternative splicing; Named isoforms 2; Comment-Additional isoforms seem to exist;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Last annotation update) (FN) (Fragments).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               A A
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                                                                                           Biochemistry 31:2068-2073(1992).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            88.64;
83.38;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Fibronectin precursor
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-!- SIMILARITY: Co
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TISSUE=Diver

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DOWN-REGULATION BY GLUCOCORTICOLDS.
                                            stroma.";
J. Cell Sci. 108:2153-2162(1995).
                                                                                           SEQUENCE OF 2375-2477 FROM N.A.
                                                                   SEQUENCE OF 2375-2477 FROM N.A.
                                                      SEQUENCE OF 899-2376 PROM N.A.
                     [2]
SEQUENCE OF 562-634 PROMINIAL
                                                                                                                                                                                                    ALTERNATIVE PRODUCTS:
                 Gene 137:353-354(1993).
                                                                                                                                                                                                 similarity)
                                                                                               TISSUE=Kidney;
                                                                                                                                                                                                                     Name≖1
           Polly P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (EXTRA DOMAIN 2)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sulfation; Cell adhesion; Repeat; Alternative splicing; Signal;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            BY SIMILARITY.
FIBRONECTIN.
FIBRIN- AND HEPARIN-BINDING
COLLAGEN-BINDING.
       H. SIMIARITY: Contains 2 ribronectin type 11 domains.
SIMIARITY: Contains 17 fibronectin type III domains.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FIBRONECTIN TYPE TTT 10.
FIBRONECTIN TYPE TTT 11.
FIBRONECTIN TYPE TTT 12.
FIBRONECTIN TYPE TTT 13.
FIBRONECTIN TYPE TTT 13.
FIBRONECTIN TYPE TTT 15.
FIBRONECTIN TYPE TTT 15.
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FIBRONECTIN TYPE: 11 2.
FIBRONECTIN TYPE: 11 4.
FIBRONECTIN TYPE: 11 4.
FIBRONECTIN TYPE: 11 6.
FIBRONECTIN TYPE: 11 6.
FIBRONECTIN TYPE: 11 6.
FIBRONECTIN TYPE: 11 8.
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FIRKONECTIN TYPE: 2.
FIRKONECTIN TYPE: 3.
FIRKONECTIN TYPE: 1.
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PROSITE; PS00023; FIBRONECTIN_2; PARTIAL.
PROSITE; PS01253; FIBRONECTIN_1; 4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 104
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GC; GO:0C07155; P:ccll adhesion:
interPro; PR00509; ECF_like.
InterPro; IPR000083; Fibrncthl.
interPro; IPR003961; FW_III.
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Interpro; IPR0003962; Fn_II_subd
Pfam: PF00039; fnl; 4.
Pfam: PF00041; fnl; 17.
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EMBL, X93167; CAA63654.1; --
EMBL, X93167; CAA63654.1; --
EMBL, S45880; AA523491.1; --
FIR, A49173; A49173.
FIR, A49173; A49173.
FIR, YEN, 29-AR-98.
MOD, MGI:95566; F0I.
                                                                                                                                                                                                                                                               EMBL; 222729; CAA80422.1; -.
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SMART; SM00058; FN1; 4.
SMART; SM00060; FN3; 12.
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         pubmed-11737251,

Gu Y.-C., Talts J.F., Gullberg D., Timpl R., Exblom M.:

Gu V.-C., Talts J.F., Gullberg D., Timpl R., Exblom M.:

Gu V.-C., Talts J.F., Gullberg D., Timpl R., Exblom M.:

fibromectin, fibrinn and fibulis-2 in bene marrow strong.":

Eur. J. Haeratol. 67:176-184(2001).

-!-FUNCTION: PIHKONECTINS GING CELL SUBFACES AND VARIOUS COMPOUNCE.

INCLUDING COLLAGEN, FIFRIN, SEPARIN, SWA, AND ACTIN, FISRONECTINS ARE INVOLVED IN CELL ADHESION, CELL MOTICITY, DESONIZATION, BOING HEALING, AND MALNERANIE OF CELL MAPPE.

-!-SUBBING MACHINE MACHINE OF A GING COLLAGE SPECIAL SUBBING SPECIAL SUBBING SPECIAL SUBBING SPECIAL SUBBING SPECIAL SUBBING SPECIAL SERVICES OF A LESSONIZATION SPECIAL SUBBING SPECIAL SERVICES SPECIAL SUBBING SPECIAL SERVICES SPECIAL SERVICES
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STRUCTURE BY NWR OF 1447-1630.
MEDLINE-95202578; PubMed-9533887;
Copie V., Tomita Y., Akiyama S.K., Acta S., Yamada K.M., Venable R.M.,
Pastor R.W., Krueger S., Torchia D.A.;
"Solution structure and dynamics of linked cell attachment modules of
mouse fibronectin containing the RGD and synergy regions: corparison
With the humar fibronectin crystal structure.";
J. Nol. Biol. 277:663-682(1998).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TISSUE SPECIFICITY: PLASMA FN (SOUGELE DIMERIC FORM) IS SECRETHIN BY HERATOCYTES, CELLUIAR FN (DIMERIC OF DEASS-LIRKED MUTIMERFER FORMS), MADE BY FIBROBLASTS, SPITHELIAL AND OTHER CELL TYPES, IS DEPOSITED AS TRAILS IN THE EXTRACELLULAR MATRIX.

INDUCTION: Glucocorticolds suppressed mana expression and protect.
                                                                                                                                                                                      STRAIN-NMM;;
MEDLINE-95403556: PubMed-7673336;
Talts J.E., Weller A., Timp: R., Ekbiom M., Ekbiom P.;
Requiation of mesenchymal extracellular matrix profesor ayuthesis by transforming growth factor-beta and discovertices
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDIINE-99011702; PubMed-1327855;
Khandjian E.W., Salomon C., Leonard N., Trembiay S., Turler E.;
Fibronectin gene expression in proliterating, q.Lescent, and SV40-
infected mouse kidney cells.";
Exp. Cell Res. 202:464-470(1992).
                                                                        Polly P., Nicholson R.C., Sequence of the mouse fibronectic-encoding seas promoter region. Figure
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MEDLINE-88124987; PubMed-3124113;
Blatti S.P., Foster D.N., Ranganthan G., Moses H.L., Getz M.J.;
Induction of fibromectin gene transcription and mkNA is a primary
response to growth-factor stimulation of AKR-2B Cells.";
Proc. Natl. Acad. Sci. U.S.A. 65:1119-1123(1988).
                                                                                                                                                                                                                                                                                                                                                                                                Gorski G., Aros M., Norton P.;
Submitted (DEC-1995) to the EMBL/GenBank/UDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            synthesis.
PTM: SULFATE: (BY SIMILARITY).
SIMILARITY: Contains 12 fibronectic type I domains.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      fibronectin and absent in others;
                                                MEDLINE-94131313: PthMed=6299372;
SEQUENCE OF 1-28 FROM N.A.
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EMBL, X15906; CAA34020.1:
EMBL, L29191; AAA41166.1:
EMBL, L29191; AAA41166.1:
EMBL, L29191; AAA41166.1:
EMBL, L29191; AAA41167.1:
EMBL, L29191; AAA41168.1:
EMBL, X05831; CAA29278.1:
EMBL, X05831; CAA29278.1:
EMBL, X05833; CAA29278.1:
EMBL, X05833; CAA29278.1:
EMBL, X05833; CAA29281.1:
PTR: S14428: S14428.
INTERPO: IPRO06093; Fibractn1.
INTERPO: IPRO09361; FN_III.
                                                                             shuffling during evolution.";
EMBC J. 6:2565-2572(1987).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRINTS, PRO0013; FNTYPEII.
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Pfam; PF00040; fn2; 2.
Pfam; PF00041; fn3; 17.
       Ö
         FIBRONECTIN TYPE-111 17 (** *EKLOS) (** *EKRONECTIN TYPE-1 10 (** *EKLOS) (** *EKRONECTIN TYPE-1 11 (** *EKLOS) (*
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Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Muribae, Raitus.
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MEDLINE-88C54951: Pubmed-2445560;
SCWATZbaler J.E., Patel R.S., Fonda D., Rynes R.C.)
"Multiple sites of alternative splicing of the rat fibrosectin gene
   CONNECTING STRAND 4 (CS-4) (V REGION)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 2477;
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Pred, No. 1.3c+02;
Transches 0; Indels
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01-NOV-1990 (Rel. 16, Last sequence update)
15-SEP-2003 (Rel. 42, Last annotation update)
Fibronectin precursor (FN).
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83.3%;
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Best Local Similarity 83.3
Matches 5; Conservative
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EMBO J. 6:2
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This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss institute of Bioinformatics and the Swis entstation. There are are strictions on its use by non-profit institutions as long as its contant is in no way condition and this statement is not recoved. Usage by and for commercial entities requires a license afterement (See http://www.isb sib.ch/announce/or send an email to license@leb-sib.ch).
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1soId-p04937-4: Sequence-vSP_002460;

1soId-p04937-4: Sequence-vSP_003460;

1 TISSUE SPECIFICITY: PLASMA FN [SOLIFIE DIMPRIC FORM; IS SECRETED BY HEPAIOSYTES. CELLULAR FN [SOLIFIE DIMPRIC PORMS), NADE BY FIBROHLASTS, EPITSELIAL AND CHIRD CREAT TYPES, IS DEPOSITED AS FIBRILS IN THE EXTRACELLULAR MATELX.

1: PIR: SULPATED [SW SIMILARITY].

1: SIMILARITY: Contains 2 fibrohectin type II domains.

1: SIMILARITY: Contains 17 fibrohectin type III domains.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Event-Alternative splicing, Named isoforms 4: Comment-Each of the "extra domain" and the connecting strand 3 are present in some forms of fibromectin and absent in others;
SEQUENCE OF 1-139 AND 2362-2477 FROM N.A.
STRAIN+Fischer; TiSSUB-Liver;
MEDLINE-88054956; PubMed-3119323;
Patel R.S., Odermat E., Schwarzbauer J.E., Hynes R.O.;
"Organization of the fibronectin gene provides evidence for exon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Name-2: Synonyms-FN11.3-less;
Name-2: Synonyms-FN11.3-less;
Isoid-P64937-2: Sequence-VSP_003258;
Name-3: Synonyms-Lambda-RE4-5;
Name-3: Synonyms-Lambda-RE4-5;
Isoid-P04937-3: Sequence-VSP_003259;
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HEPAGING 2.
FISHIN-PINOLNG 3.
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PRINTS; PRODGIA: FNTYPELLL
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1; Mismatches 0: Indels
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Best Local Similarity 83.3%;
Matches 5; Conservative
             AA;
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Search completed: September 16, 2003, 18:17:50 .com time : 14 secs

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Q9AA55
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C92k28 rhizobium m
O8n295 homo sapies
292pa3 rhizobium r
C9xsg: ozyotojasus
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Q9ct34 rattus norv
Q8t8c0 bombyx mori
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O8ykq0 anabaena sp
O9uc00 bome sapien
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O9exd2 rhixobium m
O8hum8 woodwardia
O8hum7 woodwardia
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Gencore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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08L8D2
08YK00
09UC00
09EZD2
08HUM8
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sp_vertebrate:*
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Maximum DB seq length: 2000000000
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sp_rodent:*
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Ogex44 drosophila
Grax45 drosophila
Grax45 drosophila
OG4406 brachydanio
GG227 chimpanzee
OGC91 mus musculu
OGC91 mus musculu
                           08sgb0 micropterus
09x2s7 vibrio chol
09knl9 vibrio chol
09hqn2 halobacteri
08x6b0 escherichia
08fkh9 escherichia
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Q8qwx7 arabidopsis
Q8cq85 mus musculu
OBbm24 mus musculu
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Q9hq14 halobacteri
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018869 caenorhabdi
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O8npq8 corynebacte
08nt71 corynebacte
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Neopiera, Endopterygola, Lepidoptera, Glossata, Difrysla, Rombycoidea,
Bombycidae, Bombyx,
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Yang J., Taniai K., Yamakawa M.;

Yang J., Taniai Yamakawa M.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%; Score 35; DB 5; Longth 354; 100.0%; Pred. No. 48; 0; Indels ive 6; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                      01-JUN-2001 (TrEMBLrel. 17, Created)
C1-JUN-2001 (TrEMBLrel. 17, Last sequence update)
51-GTT-2002 (TrEMBLrel. 22, Last annotation update)
61-GTT-2002 (TrEMBLrel. 22, Last annotation update)
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SEQUENCE 354 AA; 40804 MW; 8D75BAB87H739F9A CRC64;
                                                                                                                                                                                                                                                                                                                                                     354 AA
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QBCOC1
QBCOC1
QBCGD1
QBSCGD1
QBSCGD1
QBRCN1
QBRCN1
QBRCN1
QBRCN1
QBRCN1
QBCCN1
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09VX45
08MQX9
093406
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080381
090V17
092K15
08NPQ8
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Piam; PF02698; NO_synthase; 2.
PROSITE; PS60001; NOS; 1.
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Cost Local Similarity 100.00
Direct 6; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                  Bombyx mer! (Silk moth).
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01-JUN-2001 (
01-JUN-2001 (
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SEQUENCE FROM N.A.
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                                                                                                                                                                                                                                                                                                                                                            SECUENCE
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Matches
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UBIRCO
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SEQUENCE FROM N.A.

STRAIN-C57HJ/61; T1SSUF-Emtryo:

XX MEDINE-21085660; PubMed-1121851;

XX MEDINE-21085660; PubMed-1121851;

XX MARAWA T., Hara A., Shibata K., Yoshiho M., Itob M., Ishin Y.,

XA Arawawa T., Hara A., Fukunishi Y., Koduc H., Adachi J., Pukuda S.,

RA Arawawa K., Izawa K., Iswa R., Yoshiho M., Yondo S., Yommoaka I.,

RA Saito T., Okazaki Y., Gojobori T., Bono H., Kasukawa T., Saito B.,

RA Kadola K., Matsada H.A., Ashburner M., Batalov S., Casavanh T.,

RA Kuchi P., Lewiss S., Mansuc Y., Nikaido I., Preschiwa H.,

RA Kuchi P., Lewiss S., Mansuc Y., Nikaido I., Preschiwa H.,

RA Schrimi L.M., Staubli F., Stauki S., Tomnta M., Wagnor L., Weslio I.,

RA Sakai K., Okido T., Furuno M., Aono H., Balkarelli E., Sarsh S.,

RA Blake J., Soffeli D., Bojunda N., Carninci P., de Bondaldo M.F.,

RA Brownstein M.J., Rult C., Fletcher C., Fujita M., Gariboldi M.F.,

RA Gustincich S., Siil D., Hoffano M., Hum D.A., Kamiya M., Ger N. H.,

RA Lyons P., Marchionni L., Mashima J., Marzarelli J., Mombaeris P.,

RA Nordone P., Ring B., Ringwald M., Rodriquez T., Sakazoto N.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE FROM N.A.
STRAIN-AICZ 19889 / CRIS.
MEDLINE-21173699, PobMed-11250447,
MIDLINE-21173699, PobMed-11250447,
MIDLINE-21173699, PobMed-11250447,
MISTIND W.C., Feldblyum T.V., Laub M.L., Faulised I.T., Nelson K.B.,
Eisen J., Heidelberg J.F., Alley M.R.K., Ohta M., Maddock J.B.,
Potocka I., Nelson W.C., Newton A., Stephens T., Phadke N.B., Fly B.,
Kolonay J.F., Smit J., Claven M.B., Khouri H., Shelly J., Herry K.,
Utterback T., Tran K., Wolf A., Vamathevan J., Emplayar M., White E.,
Salzberg S.L., Venter J.C., Shapiro L., Fraser C.R.,
"Complete genome sequence of Caulohacter crasscellus";
Proc. Natl. Acad. Sci. U.S.A. 98:4136-4141(2001).
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Mammalia, Sutheria, Rodentia, Sciurogiathi, Muridae, Murinae, Mus
                                                                                                                                                                                                                                                                                                          Bacteria: Proteobacteria: Alphaproteobacteria: Gaulobacterales:
Caulobacteraceac: Gaulobacter:
NCBI_TaxID+158892:
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InterPro: IPR001958; TCR_TetA.
PRINTS; PR01035; TCRTETA.
PROSITE; PS53836; MFS; 1.
PCOUPLETE PS54836; MFS; 1.
SEQUENCE 450 Aa; 46965 MW; 66F7B879FH6F6892 CRC64;
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01-JUN-2001 (TrEMBLEC). 17, Last sequence apdate)
01-OCT-2002 (TrEMBLEC). 22, Last annotation update)
2810001MG5Ak protein (Fragment).
                                                                         01-JUN-2001 (TrEMBLED, 17, Created)
01-JUN-2001 (TrEMBLED), 17, Last sequence update)
01-MAR-2003 (TrEMBLED, 23, Last aumotation update)
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EMBL: AE005751; AAK22736.1;
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450 AA
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PR
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SF3B1 OR 2810001M05RIK.
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Best Local Similarity 109.

Matches 6; Conservative
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    PRELIMINARY:
                                                                                                                                                                                                                                                                              Caulobacter crescentus
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                                             09AA55;
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Sasaki H., Sato K., Schoenbach C., Seya T., Shibata Y., Storch K.-F., Suzuki H., Toyo-oka K., Wang K.H., Weltz C., Whittaker C., Wilming L., Wynshaw-Boris A., Yoshida K., Hasogawa Y., Kowaji H., Komisiki S., Hayasizaki Y., "Functional annotation of a full-length mouse cDNA collection.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Bombyx mori (Silk moth).
Eukaryota, Metazoa, Arthropoda, Hexapona, Insental Eterygota,
Neoptera, Endopterygota, Lepidoptera, Slossata, Ditrysla, Bombycoidea,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Rattus norvegicus (Rat).
Eukaryota: Metazoa; Chordata: Craniata; VerLebraka; EuLeleostomi;
Mammalia; Eutheria; Rodentia; Sciuroquathi; Muridae; Murinae; Rattus.
                                                                                                                                                                                                                                                                                                                                                                                                Gaps
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"cDNA cloning, characterization and gene expression of nitric oxide
synthase from the silkworm, Bombyx mori.";
Submitted (SEP-2001) to the EMBL/Genbank/UDBJ databases:
EMBL: AB071182; BAB85885.;
InterPro; IPR003097; FAD_binding.
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                                                                                                                                                                                                                                                                                                                                   100.0%; Score 35; 28.1%; Leneth, 490; 300.0%; Pred, No. 68; 0. %; Indels tive 0; Mismatches 0; Indels
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"Identification and cloning of rat SAP155 homolog.";
"Identification and cloning of rat SAP155 homolog.";
Submitted (APR-2000) to the EMBL/GenBank/DUBJ dalabases.
EMBL; FYESO4435 AG01404.1; -.
NON FER 496 496
SEQUENCE 496 AA; 54496 MW; 5175C3E3(42725E7 CKC64;
                                                                                                                                                                                                                                                                           F326E6092B9707E3 CR164;
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01-WAR-2001 (TrEMBLrel. 16, Last annotation update)
Spliceosomal protein SAP155 (Fragment).
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Last annotation update;
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01-JUN-2062 (TrEMBLrel. 21, Last seq.
01-MAR-2063 (TrEMBLrel. 23, Last anno
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1.2.
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ENBL: AK012632; BAB28369.1;
NGD: NG::1932339; Sf3b1.
NON_TER 490 490
                                                                                                                                                                                                                                                                              490 AA; 53634 MW;
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les 6: Conservative
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Post Local Similarity 100.
Matches 6: Conservative
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269 GRGDIP 274
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269 GRGDIP 274
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NCBI_TaxID=7091;
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SEQUENCE FROM N.A.
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09E2D2
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(1-007-2002 (TFDMBARC), 22, Last sequence update)
01-MAR-2003 (TFDMBARC), 23, Last sequence update)
01-MAR-2003 (TFDMBARC), 23, Last sencetation update)
MAR-2003 (TFDMBARC)
Arabidopsis thallaia (Mouse ear cross)
Butaryota, Varidiplantee; Streptophyla, Embryophyla: Inthreqphyla:
Spermatophyla: Magnollachyla; eudicotyledons: cone endicots; Mostdae;
eurosids III, Brassicaies; Brassicaceae; Arabidopsis,
                                                                                                                                                                     Garis
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                                                                                                                                     100.0%; Score 35; PH 5; Length 1209;
100.0%; Pred. No. 1.8e-02;
nive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE FROM N.A. Hown C.D., Growkhan M., Alexandrov Haas B.J., Voltovsky N., Town C.D., Growkhan M., Alexandrov Feldmann K.A., Flavell R.B., White (L., Salzbern S.L.) "Full-length messenger KNA sequences greatly improve genome annotation":
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     91.4%; Score 32; DB 10: Length 458;
83.3%; Pred, No. 2.66+02;
ive 1; Mismatches 9: Indels
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Plasmid pcC7120aipha.
Bacteria: Cytobacteria: Nostocales: Nostocaceae; Nostoc.
NCBL_TaxIb-103690:
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Brover V., Troukhan M., Alexandrov M., Lu Y. P., Flavell
Peldmann K.,
                                                                                                              1209 AA: 137506 MW; 92A73E04B1202E20 GR064;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Submitted (MAR-2002) to the EMBL/GenSank/CDSJ databases EMBL: AY067281; AAM64834.1; -...InterPro; IPR001229; Jacalin_lectio.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Pfam; PF01419; Jacaiin; 3.
SEQUENCE 458 AA; 50376 MW; 6UDF30FB331883C5 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    01-WAR-2002 (TrEMBLrel. 20, Created)
01-WAR-2002 (TrEMBLrel. 20, Last sequence update)
01-WAR-2003 (TrEMBLrel. 23, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Full-Length cDNA from Arabidopsis thalland.";
                                                                                                                                                                                                                                                                                               PRI; 458 AA
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             IPRC04030; NO_synthase.
IPR001433; Oxred_FAD/NAD(P).
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                                       Pfam: PF05667; FAD_binding_1; 1
Pfam: PF0558; flavodoxin: 1.
Pfam: PF00175; MAC_binding_1; 1.
Pfam: PF02869; NC_syntimse: 1.
PROSITE: PS6061; NOS; 1.
 InterPro; IPR001225; Flavodoxin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Hypothetical protein Air7243. ALR7243.
                                                                                                                            Query Match
Bost Local Similarity 100.0
Sches 6: Conservative
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Matches 5; Conservative
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                                                                                                                                                                                                               214 GKGDTP 219
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               InterPro;
                                                                                                              SEQUENCE
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                              InterPro
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                    Kaneko I., Nakamura Y., Woix C.P., Kuritz I., Sasamoto S., Watanabe A., Iriguchi M., Ishikawa A., Kawashima K., Kimura T., Kishida Y., Kohara M., Matsumoto M., Matsumo A., Kuraki A., Nakadaki N., Shimpo S., Sugimoto M., Takazawa M., Yamada M., Yasuda M., Tabara S., Complete genomic sequence of the filamentous mitrogen-fixing
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01-MAR-2001 (TrEMBLrel. 16, Last sequence update)
01-MAR-2001 (TrEMBLrel. 16, Last senotation update)
01-MAR-2001 (TrEMBLrel. 16, Last amotation update)
Hypothetical 9.1 kDa protein.
Rhizobium meliloti (Sinorhizobium meliloti).
Bacteria, Protebacteria Alphaproteobacteria: Rhizobiaceae: Sinorhizobium.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 506;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDINE-95130623; PubMed-7829572;
Pierschbacher M.D., Polarek J.W., Craig W.S., Tschupp J.F.,
Sips N.J., Harper J.R.,
J. Coll. Bacchem, 56:1150-1154(1994).
SFQUENCE 23 AA: 2268 MW: CE7399978992 CRO64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             88.6%: Score 31: 58 4: Length 23: 83.3%: Pred. No. 18: 67: 34: Indels ive 1; Mismatches 6: Indels
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66738 MW; 54A81020A5802E82 GECh4:
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61-MAY-2000 (TrEMBLrel, 13, East sequence update)
61-NAY-2000 (TrEMBLrel, 13, Last annotation apdate)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      91.4%; Score 32; DB 16;
83.3%; Pred. No. 3.5e+62;
                                                                                                                                                                                                    cyanobacterium Anabaena sp. strain PCC 7126.";
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1; Mismatches
                                                                                                                                                                                                                      DNA RES. 8:205-213(2001).

EMBL, AP003600; BAB78327.1; -.

InterPro; IPPR00210; ANK.

InterPro; IPR000897; SRP54.

SMART; SM00248; ANK. 9.

PROSITE: PS50088; ANK_REP_REGION: 1.

PROSITE: PS00360; SRP54; 1.

PROSITE: PS0300; SRP54; 1.

PROSITE: PS0300; SRP54; 1.

PROSINCE 606 AA; 66738 MM; 54A81020
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Enhancement of wound HEALING process.
Home sapiens (Human).
MEDLINE-21595285; PubMed-11759840;
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hes 5: Conservative
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Matches 5; Conservative
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Deviation: R., Kato M.;
Cranfill R., Kato M.;
"Phylogenetics, Biogeography, and Classification of the woodwardioid
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Sanotizobium meliloti strain 1021 ":
EMBL AL591790: CAC46878.1:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sukaryota; Viridiplantae: Streptophyta: Emtryothyta: Trachecphyta;
Filicophyta; Filicopsida; Filicales; Biochnaceae; Woodwardia;
NCBL_TaxID=120731;
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Rhizobiaceae; Sinorhizobium.
                                                                                         88.6%; Score 31; DB 8: Longth 185; 83.3%; Pred. No. 1.66+02; ive 1; Mismatches 0; tidels
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83.3%; Pred. No. 1.6e:02;
Live 1: Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ferns (Blechnaceae).":
Submitted (AUG-2002) to the EMBL/GenBank/DDB3 databases
EMBL: AF533866; AAN34645.1; -:
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   1 1 2 0699 KW: 9E9D177082010337 CRC64;
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01-MAR-2003 (TTEMBLEEL, 23, Last Sequence update)
01-MAR-2003 (TEMBLEEL, 23, Last annotation update)
Ribosomal protein small subunit 4 (Fragment),
RFS4.
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Best Local Similarity 83.33
Matches 5; Conservative
                                                                                                                                                         5; Conservative
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Best Local Similarity
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   NON_TER
SEQUENCE
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"Phylogenetics, Blogecgraphy, and Classilleation of the woodwardir.d
ferms (Blechhaceae).":
Submitted (ACG-2002).:
EMBL; AF533860: AAN3463911: -.
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Filicophyta: Filicopsida, Filicaics; Siechnaceae, Woodwardia.
NCBI_TaxID=29664;
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Filicophyta: Filicopsida: Filicales: Blechnaceae: Roodwardia.
NCBI_TaxID-125727;
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                                                                                                                                                                                                                                                                                                                     e; Indels
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                          Muschler P.F.J., Endter C.;
"Isolation of mep enems from Sinorhizobium melliori.":
Submitted (4007-2000) to the EMBL/GenBank/DDBJ databases.
EMBL; AF298190; AAG37856.1:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ferns (Blechnaceae).";
Submitted (AUG-2002) to the EMBL/GenBank/DDBJ databases
EMBL; AF533859; AAN34638.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    D8795983F5283F9E CRC64;
                                                                                                                                                                                       87C5BF56B176DD2A CR764;
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U-MAR-2603 (TrEMBLrel. 23, Last sequence update)
01-MAR-2603 (TrEMBLrel. 23, Last appearation update)
Ribosomai protein small subunit 4 (Fragment).
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1-MAR-2003 (TrEMBirel, 23. Last sequence update)
01-MAR-2003 (TrEMBirel, 23. Last ambitation update)
Ribosomal protein small subunit 4 (Framment).
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Pred. No. 73;
1: Mismatches
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                                                                                                                                                                                                                                                      88.6%;
43.3%;
                                                                                                                                                         Hypothetical protein.
SEQUENCE 86 AA: 9128 MW:
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Best Local Similarity (43.5)
That 5; Conservative
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Best Local Similarity
5: Conserve
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STRAIN-RU11/601;
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SEQUENCE
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RESULT 11 **08HUM7**

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completed: September 16, 2003, 18:17:40
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01-007-2002 (TrEMBirel. 22, Last sequence update)
01-007-2002 (TrEMBirel. 22, Last annotation update)
Hypothetical protein FLJ3051.
Gomo sapiens (Human).
Hypothetical protein FLJ3051.
Hypothetical protein FLJ3051.
Hypothetical protein FLJ3051.
Hypothetical protein FLJ3051.
Hypothetical primates: Craniata: Furtehnstomin.
Hypothetical primates: Catarrhini; Hominidae; Homo.
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01-DEC-2001 (TrEMBLEEL. 19, Last sequence update)
01-DEC-2002 (TrEMBLEEL. 26, Last annotation update)
Hypotherical protein R01876.
R01876 OR SMC00134.
Rnixobium meliori (Sinorhizobium meliloti).
Bacteria, Protebacteria: Alphaprotecbacteria, Rhizobiales;
                                                                           98.6%; Score 31: DB 16; Length 208;
83.3%; Pred. No. 1.8e-02;
live 1; Mismatches 0; Indels
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83.3%; Pred. No. 1.90+52;
tive :: Mismatches C; Indels
208 AA; 21420 NW; A9222A33391FB522 CRC64;
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MEDLINE-21396507; PubMed-11481430;
                                        Query Match
Best Local Similarity 83.33
That 5; Conservative
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Best Local Similarity 83.3
Matches 5: Conservative
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SQ SEQUENCE
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83.3%; Pred. No. 2.4e+02;
Live 1; Mismatches 0; Indels
                                                                                                                          Hypothetical protein; Complete protecme.
SEQUENCE 275 AA; 29894 MW; BBE53C168FG34GCD CRC64;
Proc. Natl. Acad. Sci. U.S.A. 98:9677 9882(2807).
EMBL: ALS91788: CRC46455 1; -
InterPro: IPR000051; SAM_bind.
InterPro: IPR001440; TPR.
Plam; PP00515; TPR; 1.
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Best Local Similarity 83.3
Matches 5, Conservative
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